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St. Cloud State Teachers College During The War Years: Contributions Made By the St. Cloud State Teachers College during the Period from 1939 to the End of the Korean Conflict

John Weismann

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THE WAR YEARS

BY

John J. Weismann

1961

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John J. Weismann

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John J. WEISMANN
October 13, 1969

PREFACE

To say the war years at St. Cloud State Teachers College were exciting and challenging is an understatement. New programs were being inaugurated right along by the government agencies, so the administration and the college facilities were taxed to the limit at times to meet the strange new programs. The writer here attempts to make **ST. CLOUD STATE TEACHERS COLLEGE** by the St. Cloud State Teachers College **During** those trying and uncertain times.

This story begins **THE WAR YEARS** of the United States into World War II when Hitler's legions were swarming over much of Europe and **Contributions made by the St. Cloud State Teachers College during the period from 1939 to the end of the Korean conflict.** supplies to defend itself against invasion. It seemed inevitable by that we would sooner or later enter the conflict so preparations **John J. Weismann** for war began slowly but surely.

As the years slip by farther and farther from the period of World War II it becomes increasingly more difficult to recall the part played in **Dedicated to the young men and women of the St. Cloud State Teachers College who made the supreme sacrifice.** the front line of battle. We naturally think of the war being won by the Army, the Navy, the Marines or the Air Force. We tend to forget that supporting these services were extremely important forces providing men, materials, and training in an all-out effort to bring the war to its termination. Much credit must be given to industry, government services and even the colleges and universities. This is an attempt to put **1961** into perspective, what had been locked up in dusty files and fading memories. The following is the part



PREFACE

played by the St. Cloud State Teachers College other than furnishing manpower for the services from both student body and faculty. To say the war years at St. Cloud State Teachers College were exciting and challenging is an understatement. New programs were being inaugurated right along by the government agencies, so the administration and the college facilities were taxed to the limit at times to meet the strange new programs. The writer here attempts to make an accounting of the part played by the St. Cloud State Teachers College during those trying and uncertain times. In the spring of 1944 there were only 13 men students left in school.

This story begins prior to the entry of the United States into World War II when Hitler's legions were swarming over much of Europe and we were trying to supply England with food and war supplies to defend itself against invasion. It seemed inevitable that we would sooner or later enter the conflict so preparations for war began slowly but surely.

As the years slip by farther and farther from the period of World War II it becomes increasingly more difficult to recall the part played in the war effort by those who were not on the front line of battle. We naturally think of the war being won by the Army, the Navy, the Marines or the Air Force. We tend to forget that supporting these services were extremely important forces providing men, materials, and training in an all-out effort to bring the war to its termination. Much credit must be given to industry, government services and even the colleges and universities. This is an attempt to put into narrative form, what had been locked up in dusty files and fading memories. The following is the part

played by the St. Cloud State Teachers College other than furnishing times of great decisions. He was finally rewarded for his many manpower for the services from both student body and faculty.

contributions to the college by having Stewart Hall named in his honor.

The college during the war period played a dual part in training men and women for both the armed services and the teaching profession.

Some faculty members enlisted in various branches of the armed forces while others served in industry and governmental services. This was a time when the student enrollment dropped from a normal number of around one thousand to a low of less than three hundred students. In the spring of 1945 there were only 13 men students left in school.

One of the basic reasons for the large drop in enrollment during that period was the need for manpower not only in the armed services but in industry as well. Students graduating from high school could often get better salaries in offices and factories than our college graduates could get in teaching positions. Young men went largely into the armed service or a high-paying job. It was difficult to lure high school graduates to college to prepare for teaching under those circumstances. Even those who planned to attend college found it convenient and lucrative to defer college for a few years.

For the above reasons this college was in a good position to take on special training programs to aid the war effort. The following pages will give a true picture of these special programs other than training teachers.

A great deal of credit must be given the late Warren Stewart, who was resident director of the Teachers College Board at that time. Acting President D. S. Brainard leaned on him heavily for council in

times of great decisions. He was finally rewarded for his many contributions to the college by having Stewart Hall named in his honor.

J. J. W.

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The Civilian Pilot Training Program

This report is an attempt to put in writing the part played by the St. Cloud State Teachers College, its students and its faculty in aiding the war effort. The War Years actually began before World War II when preparations were being made for what

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I. The Civilian Pilot Training Program
Affair.

II. The War Service Training Program

For St. Cloud Teachers College the preparation for war began

III. Army Air Forces Training Program

in October, 1939 following the "Civil Aeronautics Act of 1938"

IV. The Veterans Guidance Center

enacted by the 75th congress. The St. Cloud Teachers College in

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conjunction with War's Air Service of St. Cloud began a program

VI. Former Students Killed in the Service

of training some of their country's heroes civilian pilots. It became

known as **VII. Enlisted Reserve Corps Plan For of the Civil Aeronautics**
College Students
Authority.

The program called for sufficient training to prepare a student for a private pilot certificate and the training was divided into two parts: 72 hours of ground school given by the college and a minimum of 35 to a maximum of 50 hours of controlled flight instructions given at a nearby airport by an approved C.A.A. trainer. This program began in 1939 and involved 300 colleges and 10,000 students between the ages of 18 to 25.

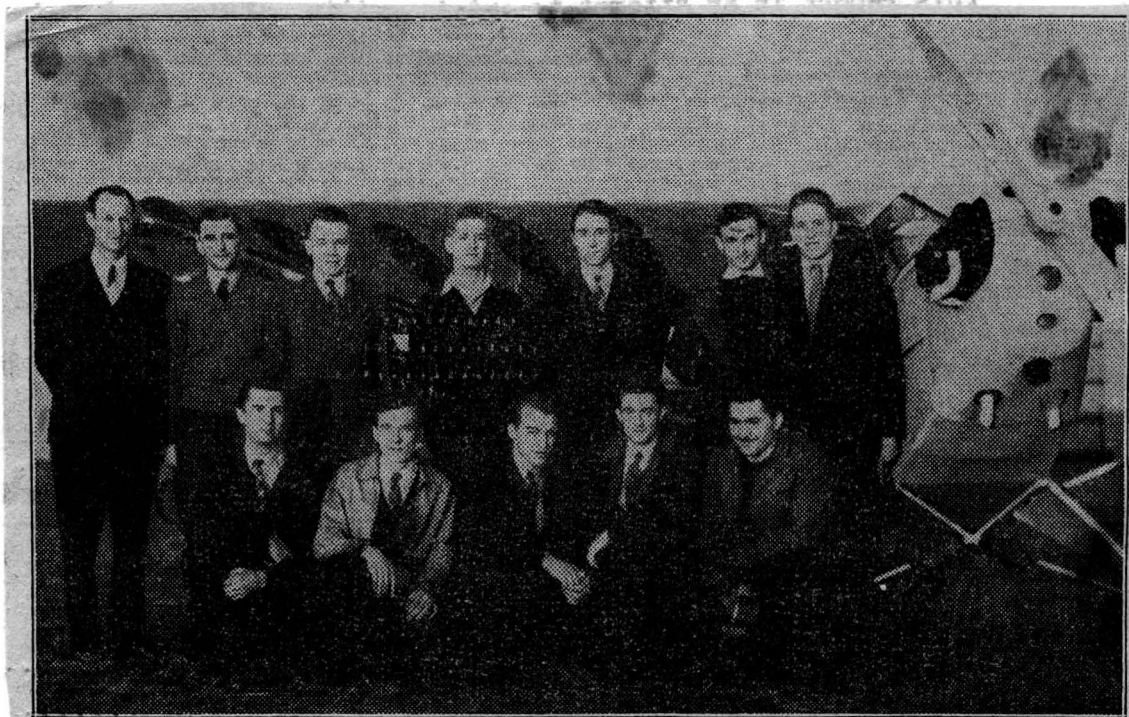
The Civilian Pilot Training Program

Selection of the students was left to the college authorities. This report is an attempt to put in writing the part played by the St. Cloud State Teachers College, its students and its faculty in aiding the war effort. The War Years actually began before World War II when preparations were being made for what seemed to be an inevitable entry into a shooting war. This period must also include the aftermath of the war and the Korean Affair.

For St. Cloud Teachers College the preparation for war began in October, 1939 following the "Civil Aeronautics Act of 1938" enacted by the 75th congress. The St. Cloud Teachers College in conjunction with Van's Air Service of St. Cloud began a program of training college students to become civilian pilots. It became known as the Civilian Pilot Training Program of the Civil Aeronautics Authority.

The program called for sufficient training to prepare a student for a private pilot certificate and the training was divided into two parts: 72 hours of ground school given by the college and a minimum of 35 to a maximum of 50 hours of controlled flight instructions given at a nearby airport by an approved C.A.A. trainer. This program began in 1939 and involved 300 colleges and 10,000 students between the ages of 18 to 25. For each student trained the Authority paid the college \$20 each to help defray teaching costs. It also paid the flight operator from \$270 to \$290 per pupil for flight instruction.

The Civilian Pilot Training Program



itchfield, Herman, Hofferma,
Willmar, Atwater, Hastings.
Grand officers of the state lodge
clude George H. Otterness, grand
aster, Willmar; John L. Beck, St.
mes; Hayford Reed, Glencoe;
Charles W. Walker, Foley; A. B.
erby, Sauk Centre; Eldore Han-
Montevideo; Dave Blomberg,
Paul; C. E. Everett, Hibbing;
J. Davey, Eveleth; Al. Wurden,

* AIR TRAINING has started for 10 students of Teachers college, the first 10 persons eligible for the new aviation course at the college. On this picture are (front row left to right) Benjamin Milbrandt, Floyd Soldin, Selvester Loch, Bernard Broderick, Burton Bourelle, (back row, left to right) John E. Weismann, in charge of the new course, B. G. Vandre, air instructor, Merritt Nelson, Harold Lehto, Howard Theyson, Ed. Tyrdik, Bob Stai, only St. Cloud boy in the group.—(Times Photo)

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given at a nearby airport by an approved C.A.A. trainer. This program
began in 1939 and involved 300 colleges and 10,000 students between
the ages of 18 to 25.

Each school was given an allotment of students to train per year. Selection of the students was left to the college authorities subject to rigid medical examinations by the C.A.A. approved flight surgeons. A laboratory fee of \$40 was charged each student to cover the cost of personal accident insurance and other incidentals. St. Cloud was first allotted ten students and later it was twenty primary or beginners and later ten secondary or advanced students. President George Selke appointed John J. Weismann as the director and coordinator of the program.

The program began October 26, 1939 and six hours of credit was given the student for the completed course which was to run through the school year.

Although it was not spelled out in so many words, the primary purpose of the program was to train a large pool of civilian pilots in conjunction with the college, only one came near to being a crash. This speaks well for the management of the airport and the instructors from which pilots could quickly be trained in the event of war. As it turned out it was a far-sighted policy and the shooting war was not long in coming. President Franklin D. Roosevelt and the 75th Congress must be given credit for being visionary. Many of the Civilian Pilots trained on this program served with distinction during the war and many made the supreme sacrifice. Three of the pilots on Doolittle's raid over Tokyo were trained on this program.

For each student trained the Authority paid the college \$20 each to help defray teaching costs. It also paid the flight operator enough to reach into the front cockpit and grab the stick that is from \$270 to \$290 per pupil for flight instruction.

He pulled the plane up and made a safe landing. No damage was done to the plane or pilot although the pilots nerves were badly shaken.

Before the program was closed by active participation in World War II a total of 82 primary and 23 secondary students had completed the course in St. Cloud. Three of the students were women. In the country as a whole more than 70,000 were trained as pilots under this program. This record will go down in history as one of the greatest forces for the advancement of aviation in the history of this country and also one of the most important steps in the preparation for World War II. These acknowledgements were made in a speech before congress by the Honorable Karl Stefan on February 16, 1942.

A Near Tragedy

Of the several hundred pilots trained at the St. Cloud Airport in conjunction with the college, only one came near to being a crash. This speaks well for the management of the airport and the instructors employed.

The one incident occurred while one of the students was making his solo flight. Everything went well until he was gliding in for a landing. Suddenly and without warning the "stick" came out of its socket. (Cub training planes were flown with sticks rather than steering wheels.) When the stick came out the plane went out of control momentarily and headed for the ground. It got so low it knocked the top rail off the fence. The student was resourceful enough to reach into the front cockpit and grab the stick that is normally used by the instructor. He pulled the plane up and made a safe landing. No damage was done to the plane or pilot although the pilots nerves were badly shaken.

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St. Cloud Airport

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The War Service Training Program

The Civilian Pilot **AERONAUTICS** program which operated successfully

for a period of almost two years was brought to a gradual halt. The Civil Aeronautics Authority under the Civilian Pilot Training Program has designated the St. Cloud Teachers College as an authorized training center for its private pilot training program. 7. classes in process were completed at the end of the school

year. The objectives of the program are primarily to train a large group of young men and women who show promise of interest and ability to continue flying activities as private pilots. Safety and thoroughness in training are stressed. The training is entirely civil in nature and requires no military or other obligations.

During the school year 1939-1940 the St. Cloud Teachers College was allotted the training of twenty flight students. That quota will probably be raised substantially for the school year 1940-41. Ground courses are taught at the college proper while flight training is given at the local airport by instructors approved by the government.

Civil Applicants must be full time students of the college. It is recommended that one year of college be completed before enrolling. The course consists of 72 hours of ground school and thirty-five hours of flight training. No college credit is given for the course. A Private Pilot Certificate will be awarded to those successfully completing the course. A fee of \$40.00 in addition to the regular enrollment fee of the college is the entire cost of the course to the student. This fee is to cover the cost of medical examination, insurance, and transportation to and from the airport.

and meet these standards. Many who wanted to serve in aviation were eliminated because of the failure to meet one of the high standards such as 20/20 vision, age, height, or failure to pass the written examination. This left many thousands of nearly excellent candidates who were not found eligible to meet combat flying standards. These men however, could qualify as well as the regular combat pilots in doing certain jobs in aviation such as ferrying planes from point to point, flying towed gliders, training beginning pilots, working at

The War Service Training Program

airports and weather bureaus etc.

The Civilian Pilot Training Program which operated successfully for a period of almost two years was brought to a gradual halt shortly after the Japanese attack on Pearl Harbor, December 7, 1941. The C.P.T. classes in process were completed at the end of the school year and then closed in favor of a new type of training program.

It soon became evident that World War II was going to be won by the side that controlled the air. At the time of our entry into the shooting war, Germany was leading the allies in airpower by a wide margin. For the United States it meant an all out effort to produce planes and the men to fly them. Aviation had become very popular with the general public which was certainly due in large part to the Civilian Pilot Training Program. *C.A.A. - War Training*

War Service Authority. President

When full mobilization got underway it became apparent that a very large percentage of our young men wanted to go into a branch of aviation. The qualifying standards both physical and mental were extremely high and rigid. Only the cream of the crop could qualify and meet these standards. Many who wanted to serve in aviation were eliminated because of the failure to meet one of the high standards such as 20/20 vision, age, height, or failure to pass the written examination. This left many thousands of nearly excellent candidates who were not found eligible to meet combat flying standards. These men however, could qualify as well as the regular combat pilots in doing certain jobs in aviation such as ferrying planes from point to point, flying towed gliders, training beginning pilots, working at

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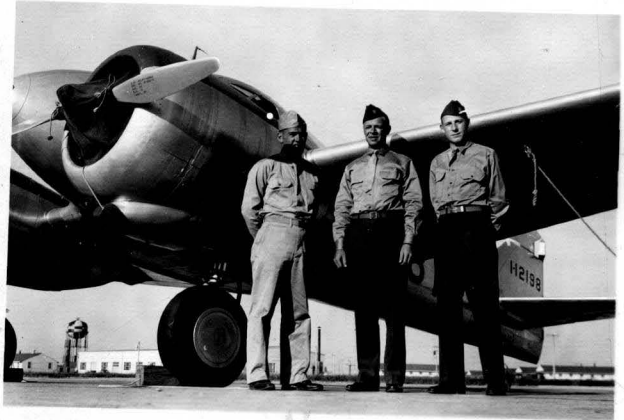
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airports and weather bureaus etc. Reformatory. Design and specifications for From this vast reservoir of well qualified men with a deep. It was desire to serve in aviation and with the past experience of the reimbursement Civilian Pilot Training Program already successful, a new program liberal. came into being. It accrued over the period of seven months while the prog Using the same facilities as used in C.P.T., the college and the local airport, the new program of "War Training Service" came 40 men into being. It took a little time to set up but soon tests, both linder physical and mental were available at training centers all over the country. St. Cloud was flooded with candidates who had to first pass a written test. St. Cloud Teachers College was given a beginning eligible quota of 20 men that were approved July 7, 1942. This program like the C.P.T. was conducted by the Civil Aeronautics Authority. President George Selke appointed John J. Weismann to be coordinator of the program. Vans Air Service again had the contract to train the men place in flying. Air Force College Training Program.

The War Training Service Program was made up of men enlisted in the Air Force under a special category. This was a full time program of ground school classes and flight training. The men, even though they were enlisted in the Air Force or Naval Aviation were not paid while in training. Board, room, clothing and books were provided but nothing else. The uniforms were forest green and the supply was quite adequate.

Carol Hall was equipped as a dormitory for this group. Bunk beds were purchased but furniture like dressers, study tables, and

chairs were made at the St. Cloud Reformatory. Design and specifications for the furniture were drawn by the coordinator, J. J. Weismann. It was paid for out of the proceeds from operating the program. The reimbursement by the government to the college and Vans Air Service were very liberal. A very neat profit accrued over the period of seven months while the program was in operation. See the financial statement attached.

The program lasted for a period of seven months. As many as 40 men were on the program at one time. The first group was sent into glider training in Lubbock, Texas. Of that group several became instructors while others saw combat duty in flying gliders over the European Theater transporting airborne troops. Many of these men were married but eligible

for the draft so they chose this program without pay rather than be drafted into the Army. While on the War Training Service program they classified as Aviation Cadet Reserves or Naval Air Corps Reserves.

The program ran from July 7, 1942 to April 15, 1943. In its place came the Army Air Force College Training Program.

ARTICLE 2. STUDENT PAYMENT. The Contractor shall require each student participating in the pilot training program to pay a course fee of \$340.00. Out of this amount the Contractor shall provide (1) appropriate student insurance coverage to the amount of three thousand (\$3,000) dollars accidental death and dismemberment, and five hundred (\$500) dollars hospitalization and medical reimbursement, sustained by the student as a student pilot under requirements of the Civil Aeronautics Authority Flight Training Program while flying, going directly to being at, or returning directly from classes, airports or places of business, which coverage shall remain in force for one year or until the student completes the course and receives a private pilot's certificate from the Civil Aeronautics Authority.

CIVIL AERONAUTICS AUTHORITY

WASHINGTON

CONTRACT FOR PILOT TRAINING
(GROUND INSTRUCTION)

Between

THE CIVIL AERONAUTICS AUTHORITY and State Teachers College
(Educational Institution)

THIS CONTRACT, entered into this 25th day of November, 1939, by the United States of America, hereinafter called the Government, represented by the contracting officer executing this contract, and State Teachers College, hereinafter called the Contractor, located at St. Cloud, Minnesota, witnesseth that the parties hereto do mutually agree as follows:

ARTICLE 1. Services to be performed. The Contractor shall cooperate with the Government in selecting for participation in the pilot training program, pursuant to the Civilian Pilot Training Act of 1939 (Public No. 153 - 76th Congress, approved June 27, 1939) such number of properly qualified students, not to exceed ten, as may be allocated to the Contractor by the Government. The Contractor shall exercise general supervision over each such student in all matters pertaining to his participation in such program except at such times as such student may actually be receiving instruction from his flight instructor. The Contractor shall provide and maintain a ground school course in accordance with the curriculum prescribed in the ground school course outline attached hereto and made a part hereof, and shall provide in connection therewith such textbooks and other informative material, as are not supplied by the Civil Aeronautics Authority, (hereinafter referred to as the Authority), such instructors approved by the Authority, such classrooms and other facilities and equipment as may be necessary adequately to conduct such course of instruction.

ARTICLE 2. Student payment. The Contractor shall require each student participating in the pilot training program to pay an amount not exceeding forty (\$40.00) dollars as a course fee. Out of this amount the Contractor shall provide (1) appropriate student insurance coverage in the amount of three thousand (\$3,000) dollars accidental death and dismemberment, and five hundred (\$500) dollars hospitalization and medical reimbursement, for injuries sustained by the student as a student pilot under requirements of the Civil Aeronautics Authority Flight Training Program while flying, going directly to, being at, or returning directly from classes, airports or places of forced landing, which coverage shall remain in force for one year or until the student completes the course and receives a private pilot's certificate from the Civil Aeronautics Authority.

Satisfactory proof of coverage shall be submitted to the Authority by the contractor, prior to the beginning of the course, in such form and manner as the Authority may prescribe; and (2) the cost of a medical examination to be given by the flight surgeon approved by the Authority.

ARTICLE 3. Loans of equipment. In the event that the Government shall agree to loan the Contractor any equipment in connection with the pilot training course, the Contractor shall pay the cost of transporting such equipment to the place at which it is to be used by the Contractor and return, and shall reimburse the Government for any damage to such equipment other than natural wear and tear.

ARTICLE 4. Procedures, reports, and regulations. The Contractor shall comply with such procedures, and make such reports, as the Authority shall require, and shall comply with all applicable rules or regulations promulgated by the Authority pursuant to the Civil Aeronautics Act of 1938 (52 Stat. 973, approved June 23, 1938) or the Civilian Pilot Training Act of 1939 (Public No. 153 - 76th Congress, approved June 27, 1939).

ARTICLE 5. Duration. This contract shall not remain in effect beyond June 30, 1940, and, shall be subject to cancellation either by the Government or by the Contractor upon thirty (30) days' notice in writing.

ARTICLE 6. Payment. The Contractor shall receive twenty (\$20) dollars for each student selected to participate in the pilot training program and enrolled in the ground school course, provided he successfully completes such course. Such payment shall be made upon the successful completion by the student of the ground school course.

ARTICLE 7. Disputes. All disputes arising under this contract shall be decided by the contracting officer or his duly authorized representative subject to written appeal by the Contractor, within thirty (30) days, to the Chairman of the Authority, whose decision shall be final and conclusive upon the parties hereto. During the pendency of such disputes, the Contractor shall diligently proceed to perform the services under the contract as directed.

ARTICLE 8. Officials not to benefit. No Member of or Delegate to Congress or Resident Commissioner, shall be admitted to any share or part of this contract or to any benefit that may arise therefrom, but this provision shall not be construed to extend to this contract, if made with a corporation for its general benefit.

ARTICLE 9. Assignment. This contract shall not be assigned.

ARTICLE 10. Alterations. The following changes were made in this contract before it was signed by the parties hereto:

IN WITNESS WHEREOF, the parties hereto have executed this contract as of the day and year first above written.

THE UNITED STATES OF AMERICA

By L. W. Lawrence

L. W. LAWRENCE

Acting Chief, Office Service Division
(Official title)

Two witnesses:

State Teachers College
St. Cloud, Minnesota
Geo. A. Selke, President) Contractor

Mary Lilleskov
John J. Keisner

I, Odelia Koller, certify that I am the _____

President secretary of the institution named as contractor

herein; that Gen. A. Burke
who signed this contract on behalf of the contractor, was then _____
President of said institution; that said
contract was duly signed for and in behalf of said institution by authority
of its governing body, and is within the scope of its corporate powers.

(SEAL)

Odelia E. Kolb
(Signature)

O DELIA E. KOLB
Notary Public, Stearns County, Minn.
My Commission Expires Dec. 2, 1945

(This contract is required to be executed by the Contractor in quintuplicate
and submitted to the Civil Aeronautics Authority immediately for acceptance
on behalf of the United States.)

44070

CIVIL AERONAUTICS AUTHORITY

WASHINGTON, D. C.

VOCATIONAL FLIGHT TRAINING PROGRAM

72 HOUR GROUND SCHOOL COURSE

Complete outline and texts to be furnished:

- I. HISTORY OF AVIATION (2 class hours): Man's desire to fly—Legendary flight—The development of early types of balloons—Gliding in its development—Exterior powered airplanes—The work of the pioneers in actual flight—Development of the airplane in the World War.
- II. CIVIL AIR REGULATIONS (12 class hours): The need for centralized regulation—Aircraft airworthiness—Certificates—Identification numbers and marks—The requirements as to maintenance and inspection of aircraft—The air traffic rules—Privileges and limitations of pilots.
- III. NAVIGATION (15 class hours): The need for a knowledge of navigation—Globes, maps, and charts—The various systems of projection—Navigation by "Pilotage"—Dead reckoning—Course lines and correction for drift—The compass and its errors—Variation, deviation, and drift—Combination methods of navigation—Fixes and orientation—Complete navigation work.
- IV. METEOROLOGY (15 class hours): Weather and climate—The fundamental elements of weather—Pressure, temperature, and humidity—High and low pressure areas and their travel—Isobars, isotherms, and weather-map symbols—Cloud formation and types—Precipitation—Condensation and advection fogs—Relation between temperature and dewpoint—Interpretation of complete weather maps—The air-mass theory—Identification of air masses and fronts.
- V. PARACHUTES (1 class hour): Theory and construction of the modern parachute—The pack, harness, and case—Care and use of parachutes in modern practice.
- VI. AIRCRAFT AND THEORY OF FLIGHT (15 class hours): Structure of the atmosphere—Air as a mass capable of supporting weight—The flow about an airfoil—Action and reaction as obtained by an airfoil—Airfoil shapes—Angle of attack—Lift forces—Drag forces—Center of pressure—Resulting force—Wing structure and design—Control and stability in flight—The tail surfaces—General design—Inspection and maintenance.
- VII. ENGINES (5 class hours): Expansion of gases with heat—The simple heat engine—Internal combustion engines—The four-stroke cycle—Valves and valve gear—Cams and cam rings—Spark plugs—Ignition—Lubrication—General inspection and maintenance.
- VIII. INSTRUMENTS (5 class hours): Grouping of instruments—Flight instruments—Power-plant instruments—Navigational instruments—Heat indicators—Gyroscopic instruments—Pressure indicators—Speed indicators.
- IX. RADIO USES AND FORMS (2 class hours): Standard phraseology used in dispatching and reporting movement of aircraft.

FUNDS RECEIVED AND CREDITED TO ARMY C.P.T.

DATE	ITEM	AMOUNT
8/14/42	Supt. of Documents	.10
8/19/42	W. P. Hirschfield	25.05
10/14/42	U.S. Treasury	1.20
10/21/42	Supt. of Documents	.10
10/29/42	U.S. Treasury	5,279.00
10/30/42	U.S. Treasury	693.00
11/6/42	U.S. Treasury	643.00
11/6/43	U.S. Treasury	2,180.00
11/27/42	Supt. of Documents	.15
11/30/43	U.S. Treasury	1,400.00
12/3/42	U.S. Treasury	54.60
12/3/42	U.S. Treasury	12.50
12/5/42	U.S. Treasury	261.80
1/4/43	U.S. Treasury	74.31
1/5/43	"	138.35
1/7/43	"	4,360.00
2/1/43	"	400.00
2/1/43	"	1,344.00
2/13/43	Supt. of Documents	15.00
2/16/43	U.S. Treasury	95.06
2/22/43	"	14.60
3/8/43	Farmers Mutual Auto Ins. Co.	84.04
3/8/43	U.S. Treasury	3,192.00
3/26/43	"	2,774.00
3/26/43	University of Minnesota	2,931.14
4/5/43	U.S. Treasury	497.50
4/5/43	U.S. Treasury	3,360.00
4/5/43	U.S. Treasury	96.48
	Total	\$29,926.98

Balance of \$2535.65 in old C.A.A. account was credited to State Funds
2/1/43

January 26, 1943

Budget Estimate for
Full-Time Army Elementary Aeronautics Training Class 43E
(Ten Trainees)

St. Cloud State Teachers College
St. Cloud, Minnesota

Personal Services

Permanent	863.33	
Temporary	<u>73.00</u>	
Total		936.33

Other Services

Communication	15.00	
Travel and transportation	35.00	
Electricity, gas, and water	50.00	
Meals	650.00	
Care of vehicles	50.00	
Medical examinations	60.00	
Cleaning and laundry	30.00	
Insurance	<u>109.00</u>	
Total		999.00

Materials and Supplies

Stationery and office supplies	10.00	
Printing	5.00	
Educational & scientific supplies	70.00	
Maintenance materials	<u>5.00</u>	
Total		<u>90.00</u>

GRAND TOTAL

2025.33

John J. Weismann
Coordinator

Personal Services

Permanent

C. O. Bemis	90.00	
Lieut. Robert Zierden	20.00	
John J. Weismann	373.33	
C. F. Cook	75.00	
Lieut. Beryl Millett	85.00	
P. C. VanSteinburg	65.00	
James Hills	72.00	
Imogene Bretz	<u>83.00</u>	
Total		863.33

Temporary

Charles Muth	10.00	
Lawrence Hoyt	25.00	
George Chamberlain	<u>38.00</u>	
Total		<u>73.00</u>

GRAND TOTAL		936.33
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Inventory
CAA WAR TRAINING SERVICE
April 15, 1943

<u>Number</u>	<u>Article</u>	<u>Cost</u>
<u>Furniture, Equipment, and Supplies</u>		
1	Ford Stationwagon	\$850.00
1	Buick Seven Passenger Car	400.00
80	Blankets at \$5.50	440.00
11 doz.	Sheets at \$13.80 doz.	151.80
5 1/2 doz.	Pillow cases at \$3.60 doz.	19.80
10	Mattresses at \$8.95	89.50
26	Pillows at \$.98	25.48
12	Dressers, oak at \$16.50	198.00
10	Tables, oak at \$12.00	120.00
12	Chairs, oak at \$3.25	39.00
8	Mirrors at \$2.00	16.00
1	Snow Shovel	1.35
1	Gas Water Heater	94.50
1	Book Case	8.50
12	Tablet Arm Chairs	96.00
1	Circulating Heater	40.00
Total		2589.93
<u>Additional Supplies</u>		
1	Physics Laboratory Equipment	\$1248.12
1	Drill Press (Industrial Arts and Physics)	57.90
20	Dalton Mark VII Computers	150.00
1 set	Aircraft Flash Cards	10.00
1 set	Aircraft Slides	35.00
9 volumes	Altitude and Azimuth Tables	19.30
1	Model airplane	50.00
30	T.M. 1-233 Physics at \$.15	4.50
24	T.M. 1-900 Math	3.60
1	Air News Yearbook	2.90
3	A Pilot's Meteorology	5.27
10	Men and Wings at \$.50	5.00
1	Flying Tigers	2.50
1	Wings of Offense	2.50
1	Army Flyer	3.00
2	What the Citizen Should Know About the Navy	5.00
Total		1604.59
GRAND TOTAL		\$4194.52



Department of Commerce
Civil Aeronautics Administration

This Is To Certify: That **Benjamin M. Milbrandt**
has satisfactorily completed the Civilian Pilot Training Controlled
Secondary Course

GROUND SCHOOL AT **St. Cloud State Teachers College**

Aircraft (aerodynamics and structures)
Powerplants (engines, propellers, and accessories)
Aerial navigation (dead reckoning, radio, celestial)

Instruments
Parachutes
Radio code

FLIGHT TRAINING AT **Van's Air Service**

Taxiing
Take-offs
Landings
Forced landings
Precision landings

Figure eights
Steep power turns
Chandelles
Lazy eights
Wingovers

Pylon eights
Advanced stalls
Falling leaf
Spins (precision)
Loops
Cross country

Snap rolls
Split S
Cuban eights
Immelmann
Vertical reverse

Slow rolls
Power approaches
Power landings
Dragging field
Slips

Issued this Nineteenth *day of* December, 1941

Approved:

A. L. Lindsey

John J. Weismann
(TRAINING CENTER REPRESENTATIVE)

48

6-25-42

DEPARTMENT OF COMMERCE
CIVIL AERONAUTICS ADMINISTRATION
Civilian Pilot Training
Washington

Summer

Civilian Pilot Training Program

Outline For

CONTROLLED ELEMENTARY GROUND SCHOOL COURSE

FULL TIME PHASE

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GENERAL INFORMATION AND OUTLINE OF GROUND SCHOOL COURSE
CONTROLLED ELEMENTARY

SCOPE: The Elementary Course (ground school and flight) will be conducted on a full time basis and will be covered in a period of 8 weeks' time. The ground school course will consist of a total of 240 hours of classroom and laboratory instruction, as follows:

	<u>Hours</u>
01. Mathematics	26
02. Physics	20
03. Civil Air Regulations	20
04. Navigation.	36
05. General Servicing and Operation of Aircraft . . .	10
06. Code.	22
07. Military and Physical Training.	58
08. Aircraft Identification	12
09. Military Science and Discipline	12
10. Meteorology	<u>24</u>
Total	240

EXAMINATIONS: The purpose of ground school training is to give the trainee a working knowledge of each subject. Examinations are to determine that he is absorbing the material being studied. Therefore, each trainee will be given written examinations by the ground school contractor as specified in the detailed breakdown of ground school subjects. Final written examinations as directed by the Administrator will be given at the completion of the course. All examinations will be subject to review by the Administrator in order to determine that satisfactory standards are being maintained.

NOTEBOOKS

Each trainee will be required to maintain a notebook containing material on each subject as directed by the instructor. No subject will be considered complete until the notebook has been submitted and graded by the instructor. The notebook grade will count as 1/3 in determining the course grade. The final examination on each subject given by the instructor, but not the CAA final examination, will count as 2/3 the course grade. The contractor will not recommend any trainee for the final CAA examination whose course grade is less than 70. The notebooks will be subject to review by the District Ground School Supervisor throughout the course.

GENERAL OBJECTIVES OF GROUND SCHOOL COURSE:

To prepare trainees both mentally and physically for intensive pilot training in more advanced flight courses and to develop proficiency in technique such as required in conjunction with elementary flight training.

1. Academic preparation will include the presentation of the above subjects so that the trainee upon satisfactory completion will be qualified for further advanced training.
2. Military training will include instruction in basic military indoctrination, military customs and regulations, and the need for strict compliance with instructions. Infantry drill to be included.
3. Physical training will be given in order to prepare trainees to absorb future intensive training without undue fatigue or ill effects and to maintain and improve physical and mental alertness.

CONTROLLED ELEMENTARY GROUND SCHOOL COURSE (total 8 weeks)

The Ground School Course is divided into two sections, the sequence of which will permit a logical development of the trainee in the subjects taught. Code is to be given throughout the eight weeks' course, not to exceed 30 minutes per period. Mathematics and Physics are to be taught in Section One to prepare the trainee to better absorb instruction given in the subsequent Section. Ceremonies are to be held every Saturday morning.

SECTION ONE (first 4 weeks)

	<u>Hours</u>
101. Mathematics	26
102. Physics	20
103. Civil Air Regulations	16
104. Navigation (Maps and Charts).	12
105. General Servicing and Operation of Aircraft . . .	6
106. Code.	10
107. Military and Physical training as follows:	
(a) Manual of Pistol	6
(b) Infantry Drill	8
(c) Ceremonies	4
(d) Athletics.	<u>12</u>
Total	120

SECTION TWO (second 4 weeks)

	<u>Hours</u>
203. Civil Air Regulations	4
204. Navigation.	24
205. General Servicing and Operation of Aircraft . . .	4
206. Code.	12
207. Military and Physical training as follows:	
(a) Interior Guard Duty.	4
(b) Infantry Drill	8
(c) Ceremonies	4
(d) Athletics.	12
208. Aircraft Identification	12
209. Military Science and Discipline	12
210. Meteorology	<u>24</u>
Total	120

8 p

TEXTBOOKS AND REFERENCES

Each trainee will be furnished by the Civil Aeronautics Administration the necessary Civil Aeronautics Bulletins for the course covering aviation subjects. Such War Department publications as are available will be furnished by the Civil Aeronautics Administration in the amount of one each per contractor to be used by the instructors in all subjects to which they apply. The contractor will select and furnish the textbooks required for the satisfactory teaching of the subjects Mathematics and Physics. Problems, assignments and outlines should be prepared and furnished to each trainee by the contractor as needed. The ground instruction contractor will furnish each trainee with the necessary Sectional and Regional Aeronautical Charts which may be purchased from a flight contractor who shall serve as an authorized agent for handling and issuing restricted charts and publications and shall be responsible that this material is issued only to persons of undoubted loyalty and discretion who are cooperating in government work.

RECOMMENDED BREAKDOWN OF GROUND SCHOOL SUBJECTS
BY HOURS
SECTION ONE

101. Mathematics 26 hours

Purpose: To review and teach arithmetic and simple algebra needed in future aviation subjects.

Texts
Any standard texts to be furnished by Ground Instruction Contractor

1st hour: Review addition, subtraction, multiplication and division of fractions and decimals; Drill for speed and accuracy.

2nd hour: Review addition, subtraction, multiplication and division of fractions and decimals; Drill for speed and accuracy.

3rd hour: Ratio and proportion including decimal numbers; Drill for speed and accuracy.

4th hour: Examination covering arithmetic; Review of examination.

5th hour: Algebraic addition and subtraction. Drill for speed and accuracy.

6th hour: Algebraic multiplication and division.

7th hour: Simple linear equations.

8th hour: Formulas, solutions by substitution.

NOTE: Practical problems 1st to 8th hour to emphasize time and time zones, and distance = rate x time.

- 9th hour: Graphs; Construction of simple graphs (e.g. Temperature-altitude) and interpretation of graphs found in M's (e.g. diurnal variation of atmospheric pressure.)
- 10th hour: Examination covering algebra and graphs; Review.
- 11th hour: Units of measurement and dimensional relations; conversion.
- 12th hour: Scales; use of different scales in drawing and interpreting maps and charts.
- 13th hour: Exercises in scale drawings; conversions of scales.
- 14th hour: Angular measurements by degrees; positive and negative angles, addition and subtraction of angles.
- 15th hour: Examination covering units and scales; Review of examination.
- 16th hour: Vectors; definition; distinction between scalar and vector quantities; triangle of velocity problems; constructing diagrams.
- 17th hour: Vectors: graphical solutions where wind vector, TC and airspeed are known and heading and GS are determined.
- 18th hour: Vectors: graphical solutions where wind vector, heading and airspeed are known and TC and GS are determined.
- 19th hour: Fundamentals of the computer and drill on multiplication using computer.
- 20th hour: Computer drill on division
- 21st hour: Computer drill on time--distance--Miles Per Hour.
- 22nd hour: Computer drill on airspeed correction
- Texts
Dalton Mark VII
Computer
to be furnished
by Ground In-
struction Con-
tractor

23rd hour: Computer drill on altimeter correction.

24th hour: Computer drill on fuel consumption.

25th hour: Comprehensive examination.

26th hour: Review of examination.

102. Physics 20 hours

Purpose: To teach the fundamentals of physics as a preparation for Meteorology, Theory of Flight, and Engine Operation.

1st hour: Introduction--Science, Physics and Meteorology. Definitions, importance of weather to pilot, purpose. The atmosphere, definition, composition, structure, temperature, pressure, density, variation with altitude, phenomena, and function.

Texts
Any standard text to be furnished by Ground Instruction Contractor

2nd hour: Units of measure, necessity for, fundamental units, derived units, systems of units.

3rd hour: Work period, problems and demonstrations.

4th hour: Balanced forces, scalar and vector quantities, definitions, compositions, resolutions, balance.

5th hour: Accelerated motion. Laws of motion, constant acceleration. Momentum and impulse. Curvilinear motion, centrifugal force.

6th hour: Work period, problems and demonstrations.

7th hour: Fluids at rest, properties, pressure distribution, buoyancy. Atmospheric pressure, maps, and isobars, barometers.

8th hour: Work and energy, definitions, types. Friction. Viscosity.

9th hour: Work period, problems and demonstration.

10th hour: Examination and review.

- 11th hour: Fluids in motion, velocity and energy.
Bernoulli principles, applications.
- 12th hour: Temperature and heat, definitions,
thermometers and scales, heat measurement,
calories, specific heat.
- 13th hour: Work period, problems and demonstrations.
- 14th hour: Heating of the atmosphere. Heat
transmission methods. Heat balance.
Daily variation.
- 15th hour: Properties of gases. Kinetic theory.
Gas laws. Isothermal and adiabatic
processes.
- 16th hour: Work period, problems and demonstrations.
- 17th hour: Moisture, physical states, transformation,
energy relationships, effect of temperature,
sublimation, super-cooling.
- 18th hour: Water in atmosphere. Properties of
water vapor, definitions, measurement.
Clouds. Precipitation.
- 19th hour: Work period and review.
- 20th hour: Examination.

103. Civil Air Regulations 16 hours

- Purpose: 1. To teach the trainee how strict observance of
air traffic regulations will lead to more safe
and efficient flight.
2. To stress contact flight and instrument flight
rules and to explain the importance of traffic
patterns.

- | | <u>Texts</u> |
|---|-------------------------------|
| <u>1st hour</u> : Introduction--Civil Aeronautics Act
of 1938. Need for regulation. Methods
of increasing safety. | C.A.B. #22 |
| <u>2nd hour</u> : Specially designated areas. | C.A.B. #22 |
| <u>3rd hour</u> : Aircraft registration and certification.
Transfer of title. | C.A.B. #22
C.A.R. Part .01 |
| <u>4th hour</u> : Pilot regulations, certificates,
ratings, and requirements. | C.A.B. #22
C.A.R. Part 20 |

- | | | |
|-------------------|--|---|
| <u>5th hour:</u> | Airman rating records and airman identification cards. Issuance, duration and validity of pilot certificates. | C.A.R. Part 20
and
Amendments |
| <u>6th hour:</u> | Definitions and penalties. | C.A.B. #22
C.A.R. Part 60
Civil Aeronautics Act
of 1938 (see Title IX) |
| <u>7th hour:</u> | Importance of observing Air Traffic Rules especially regarding instrument flight. | C.A.R. Part 60
C.A.R. Manual 60
C.A.B. #29
(amendments to
above publications) |
| <u>8th-</u> | | |
| <u>9th hour:</u> | Flight rules. Contact procedure for taking off and landing; right-of-way; acrobatic flight rules; parachutes. | C.A.R. Part 60 |
| <u>10th hour:</u> | Rules regarding traffic patterns. | |
| <u>11th hour:</u> | Instrument Flight Rules; Flight Plans. | C.A.R. Part 60 |
| <u>12th hour:</u> | Light and signal rules; Specially designated areas; control zones of intersection; control airports and control zones; danger zones. | C.A.R. Part 60
C.A.R. Manual 60 |
| <u>13th hour:</u> | Weather minimums; contact and instrument flight. | C.A.R. Part 60 |
| <u>14th hour:</u> | Procedures and Phraseologies for airport traffic control. | C.A.B. #29. |
| <u>15th hour:</u> | Examination. | |
| <u>16th hour:</u> | Review of Examination. | |

104. Navigation 12 hours

Purpose: To familiarize trainees with use of maps, charts, and aerial photographs.

Maps, Charts, and Aerial Photos.

Texts

- | | | |
|------------------|--|------------|
| <u>1st-</u> | | |
| <u>2nd hour:</u> | Introduction to Maps and Charts | FM 21-25 |
| | a. Definitions. | C.A.B. #24 |
| | b. How the more popular maps and charts are projected. | |

- c. Why there must be distortion.
- d. Selection of maps by characteristics of projections.

Texts

- | | |
|--|--------------|
| <u>3rd hour:</u> Latitude and Longitude: | C.A.B. #24 |
| a. Definition of each and how used. | FM 21-25 |
| b. Location of points by coordinates. | TM 1-205 |
| c. Reference lines; i.e., latitude to equator and longitude to Greenwich. | |
|
<u>4th hour:</u> Mercator Projections: | C.A.B. #24 |
| a. Importance of Mercator projection. | TM 1-205 |
| b. Explanation of construction. | Par. 121-122 |
| c. Characteristics of Mercator projection (appearance, angles, meridians, parallels, etc.) | |
|
<u>5th-</u> | |
| <u>6th hour:</u> Conic Projections: | C.A.B. #24 |
| a. Lambert-Conformal | TM 1-205 |
| b. Characteristics of, use | Par. 124-125 |
| c. Display and explanation of sectional regional, R.D.F., and planning charts. | |
| d. Nautical and statute miles-conversion. | |
|
<u>7th hour:</u> Scales | C.A.B. #24 |
| a. Definition of large and small scale. | |
| b. Selection of maps with proper scale. | |
| c. Caution in measuring distance. | |
|
<u>8th hour:</u> Chart Symbols: | |
| a. Map reading. | |
| b. Chart symbols. | |
| c. Location of objects and terrain features on maps and charts. | |
|
<u>9th hour:</u> Military Symbols | FM 21-25 |
|
<u>10th hour:</u> Photographic Maps. | FM 21-25 |
| a. Location of objectives in target area by photographs. | |
| b. Comparison of objects on photograph with their representation on map or chart. | |
|
<u>11th hour:</u> Examination. | |
|
<u>12th hour:</u> Review of Examination. | |

General Servicing and Operation of Aircraft 6 hours

Purpose: To provide the trainee with sufficient knowledge and the necessary instructions as to its practical application to enable him to be a successful and safe pilot.

Texts

1st hour: Items of precaution to be observed in servicing and operating aircraft. C.A.B. #23
C.A.B. #27

CPT Maintenance
Bulletin
Aircraft #7

2nd hour: Inspections required, their purposes and important items. C.A.B. #22
C.A.B. #23

Maintenance Bulletin
Powerplant #5

3rd hour: The purpose and meaning of Operation limitations and Aircraft Operation Records C.A.B. #23
Minor and major aircraft repairs. Form 309, Aircraft
Inspection and care of propellers. Operations Record
C.A.B. #27
C.A.B. #23
TM 1-412

4th hour: Elementary Principles and Theory of Flight. Forces acting on an airplane C.A.B. #23
in flight. Part One
Chap. 1

5th hour: Stability - effects of improper balance on aircraft in flight-- C.A.B. #23
relation between airspeed and rate Part One
of climb--landing speed--stalling Chap. 1
speed.

6th hour: Examination and review.

Code 10 hours

Purpose: To develop reception practice only.

Texts

TM 11-454

1st-

10th hour: Suggested time spent on code in Section One approximately 30 minutes per day. It is further suggested that trainees not be taught the alphabet but be taught by sound only.

Military and Physical Training 30 hours

6 hours: Manual of pistol. Manual and firing Cal. 45 pistol. Description, functions, care and cleaning, manual, marksmanship. Texts
FM 23-35

8j

8 hours: Infantry Drill.

Texts
FM 22-5

4 hours: Ceremonies.

NOTE: Ceremonies and Inspections to be held each Saturday morning.

12 hours: Athletics and Mass calisthenics.
Supervised athletics, and competitive sports (except LaCrosse, football, and soccer). Rotation of trainees in sports such as volley ball, softball, touch football, boxing, wrestling, track, swimming, and cross-country running is desirable. (One period daily excepting Saturdays and Sundays should be devoted to supervised physical exercise).

FM 21-20

RECOMMENDED BREAKDOWN OF GROUND SCHOOL SUBJECTS

BY HOURS

SECTION TWO (Second 4 Weeks)

03. Civil Air Regulations 4 hours

Purpose: To discuss and teach any recent amendments to the Civil Air Regulations, and to give a thorough review in preparation for the Civil Aeronautics Administration written examination.

1st hour: Discuss any new amendments, including local regulations and field rules.

2nd hour: Examination.

3rd hour: Review

4th hour: Review

04. Navigation 24 hours

Purpose: To develop the theory and practice of piloting and dead reckoning navigation.

1st hour: Airspeed meter, description, purpose, and use; indicated and calibrated; calibration.

Texts
C.A.B. #23
TM 1-413

		Texts
<u>2nd hour:</u>	Altimeter; description, purpose, and use; indicated, calibrated, and true.	C.A.B. #23 Pgs. 68-69 C.A.B. #24 Pgs. 25-26
<u>3rd hour:</u>	Altimeter; methods of setting; interpretation of different settings.	TM 1-413
<u>4th hour:</u>	Principles of construction and operation of the magnetic compass; elementary theory of magnetism; how to read a compass card.	C.A.B. #23 Pgs. 75-77 C.A.B. #24 Pgs. 26-29
<u>5th hour:</u>	Compass errors; lubber line errors, variation and deviation; definition of isogonic and agonic lines.	TM 1-205
<u>6th hour:</u>	Correction of compass errors; explanation of the method of discovering lubber line error and a practical demonstration of method of compensation.	C.A.B. #24 TM 1-205
<u>7th hour:</u>	Review of Lambert-Conformal Conic projections; Mercator projection; practice measuring courses and distances on each.	C.A.B. #24
8th-		
<u>9th hour:</u>	Map reading; practice measuring courses and distances on different maps; recognition of symbols; emphasize visible features from various altitudes.	Sectional and Regional Aero-nautical Charts to be furnished by Ground Instruction Contractor
<u>10th hour:</u>	Plan triangular course.	Sectional Chart
<u>11th hour:</u>	Pilotage (simulated flight problems)	C.A.B. #24
<u>12th hour:</u>	Vector problems, definition of a vector; triangle of velocity problems; graphical solution where wind vector, heading, and airspeed are known and true course and ground speed are determined; solution by computer.	C.A.B. #24
<u>13th hour:</u>	Vector problems; knowing any four elements, solution for remaining two; graphical and computer solutions.	C.A.B. #24
<u>14th hour:</u>	Vector problems; double drift problems; review and practice.	TM 1-205 Par. 162

		<u>Texts</u>
<u>15th hour:</u>	Introduction to dead reckoning; theory of dead reckoning navigation; time, speed, distance relation; the simple log; calculation of ETA as aid to map reading and pilotage.	C.A.B. #24
<u>16th--</u>		
<u>17th hour:</u>	Practical exercises in working problems of time, speed, distance, calculation ETA, simple dead reckoning, and keeping simple log.	C.A.B. #24
<u>18th--</u>		
<u>19th hour:</u>	Practice problems using computer. Stress accuracy.	
<u>20th hour:</u>	Simple radius of Action. Solution using computer.	C.A.B. #24 Pgs. 85-88
<u>21st--</u>		
<u>22nd hour:</u>	Alternate airport. Problem Graphic solution.	C.A.B. #24 Pgs. 88-91
<u>23rd hour:</u>	Examination.	
<u>24th hour:</u>	Review of examination.	

205. General Servicing and Operation of Aircraft 4 hours

		<u>Texts</u>
<u>1st hour:</u>	Carburetor icing--causes and prevention.	C.A.B. Safety Bulletin, "Carburetor Icing and Prevention"
	Engine idling--use of throttle--carburetor heat.	C.A.B. #23 Part 5, Chap. 2
<u>2nd hour:</u>	Load factors--load factors in different degrees of bank--relation between increased load factors and wing loading--relation between load factors and stalling speed--gust loads--maximum safe speed in rough air conditions.	C.A.B. #23 Part 5, Chap. 1
	Standard values used in computing weights--gross weight--empty weight--useful load--pay load.	C.A.R. Part 04.90
<u>3rd hour:</u>	Examination.	
<u>4th hour:</u>	Review.	

06. Code 12 hours
Text

1st-

12th hour: Aural reception practice only.

TM 11-454

07. Military and Physical Training 28 hours
Texts

4 hours: Interior Guard Duty. Provisions and duties of guard personnel, general orders (verbatim), prisoners, details and rosters.

FM 26-5

8 hours: Infantry Drill.

FM 22-5

4 hours: Ceremonies.

NOTE: Ceremonies and Inspections to be held each Saturday morning.

12 hours: Athletics and Mass Calisthenics. Supervised athletics, and competitive sports (except lacrosse, football, and soccer). Rotation of trainees in sports such as volley ball, softball, touch football, boxing, wrestling, track, swimming, and cross-country running is desirable. (One period daily excepting Saturdays and Sundays should be devoted to supervised physical exercise).

FM 21-20

208. Aircraft Identification 12 hours

Purpose: Classification of types and discussion of identification methods; silhouette and model study and range estimation exercises.

1st hour: Necessity for immediate and accurate identification and classification of aircraft types.

FM 30-30
FM 30-35
FM 30-38

2nd hour: Important performance data. Study of silhouettes and models. Necessity for remembering performance data. Importance of armor and armament.

Suggested reference to be furnished by Ground Instruction Contractor: Jane's "All the World's Aircraft"

3rd hour: Range estimation. Important methods. Synthetic means of practice. Study of silhouettes and models.

Aerosphere Aircraft Yearbook

4th hour: Brief history of American type aircraft. Study of silhouettes and models.

5th hour: Examination and review.

6th hour: History of outstanding British types.
Study of silhouettes and models. Training in range estimation.

7th hour: History of outstanding German types.

8th hour: Study of silhouettes and models. Training in range estimation.

9th hour: History of outstanding Japanese types.

10th hour: Study of silhouettes and models. Training in range estimation.

11th hour: Examination.

12th hour: Review

9. Military Science and Discipline 12 hours

A. Safeguarding Military Information and Cryptography.

Purpose: To explain the use of code and cryptograms and to stress the importance of protection of documents.

Texts

1st hour: Importance, classification, leakages, examples - conduct of military personnel as prisoners.

AR 380-5
FM 24-5
Sec. 5 Chap. 2

2nd hour: Cryptography, codes, and cryptograms. Definitions, uses and value, types.

3rd hour: Review.

B. War Department Publications.

4th hour: Purpose or scope. Publishing authority and agency. Particular value, index and use; normal location of file - importance of latest changes for Army Regulations.

AAF Reg.
#5-1
AR 1-5
AR 1-6
AR 1-10
AR 1-15
FM 21-6
TO 00-5

5th hour: Army Air Force Regulations, Technical Orders, Training Manuals, Field Manuals.

C. Military Customs and Courtesies.

6th hour: Importance of discipline and proper team work to military operations and organiza-

FM 21-50
FM 21-100

tions; importance of observance of customs and courtesies to maintenance of discipline and morale; conduct towards superiors, subordinates, and civilians: conduct in the mess; respect for flag and for uniform; pride in service.

7th hour: Conduct of officers; leadership and honor.

8th hour: (1) Examination
(2) Insurance, wills, personal indebtedness.

D. Chemical War Defense

Purpose: To discuss briefly the identification of chemical agents and to explain the use of protective equipment.

9th hour: Principal chemical agents, their action, their use.

Texts
FM 21-40

10th hour: Identification, protection and protective equipment. Proper fitting of protective equipment; first aid for gas casualties.

E. Signal Communications.

11th hour: Lecture covering various means of communications. Stress visual means, including pyro, signal flags, and panels.

Texts
FM 24-5
Chap. 6
Par. 1-5

12th hour: Examination and review.

Meteorology 24 hours

Purpose: To introduce to the trainee the use of weather maps and elementary principles of Meteorology essential to a pilot.

1st hour: The importance of weather to flying; safety in war time and peace time; weather service available to pilots; classification of weather reports.

Texts
C.A.B. #25

2nd hour: Conditions of the sky.

3rd hour: Definitions of meteorological elements; pressure--how measured; types of barometer and application to the altimeter.

C.P.T.
Meteorology
Directive

- 4th hour: Humidity; wind, ceiling; precipitation.
- 5th hour: Weather maps and meaning of weather map symbols.
- 6th hour: Continue study of weather map symbols.
- 7th hour: Decoding of teletype sequence reports.
- 8th hour: Distribution of oxygen with height in the atmosphere; temperature and pressure variation with height.
- 9th hour: Specific humidity; condensation; and heat energy in the atmosphere.
- 10th hour: Lapse rates; normal, dry adiabatic, and saturation adiabatic.
- 11th hour: Examination.
- 12th hour: Review of examination.
- 13th hour: Pressure gradient; centrifugal force, and circulation of the atmosphere in high and low pressure areas.
- 14th hour: Air masses.
- 15th hour: Modification of air masses.
- 16th hour: Fronts.
- 17th hour: Weather associated with warm and cold fronts.
- 18th hour: General and local circulation of the atmosphere.
- 19th hour: Fog and low stratus clouds.
- 20th hour: Thunderstorms.
- 21st hour: Icing conditions.
- 22nd hour: Weather map study.
- 23rd hour: Examination.
- 24th hour: Review of examination.

CLASS OF SERVICE

This is a full-rate telegram or Cablegram unless its de-ferred character is in-duced by a suitable symbol above or pre-ceding the address.

WESTERN UNION

1220

SYMBOLS

DL=Day Letter

NT=Overnight Telegram

LC=Deferred Cable

NLT=Cable Night Letter

Ship Radiogram

R. B. WHITE
PRESIDENTNEWCOMB CARLTON
CHAIRMAN OF THE BOARDJ. C. WILLEVER
FIRST VICE-PRESIDENT

Filing time shown in the date line on telegrams and day letters is STANDARD TIME at point of origin. Time of receipt is STANDARD TIME at point of destination

MP24 2/94=

1942 MAY 17 AM 10 02

CERTIFICATE AS TO QUALIFICATIONS AND FURNISH TO APPLICANTS TRANSPORTATION TO AN ARMY AIR FORCE STATION FOR THE EXAMINATION AND FINAL ACCEPTANCE OR REJECTION. IF REJECTED VOLUNTEERS WILL BE FURNISHED TRANSPORTATION BACK TO PLACE OF ORIGINAL ACCEPTANCE AT GOVERNMENT EXPENSE. FURTHER DETAILED INFORMATION IS BEING FURNISHED THROUGH CAA REGIONAL OFFICES BY AIR MAIL COVERING SPECIFIC REQUIREMENTS FOR GLIDER PILOT TRAINING. ALL VOLUNTEERS SUCCESSFULLY COMPLETING ARMY GLIDER PILOT TRAINING WILL BE APPOINTED STAFF SERGEANTS WITH GLIDER PILOT RATING AND FLYING PAY. WIRE REGIONAL OFFICE AVAILABLE NUMBER OF VOLUNTEER APPLICANTS BY MONDAY EVENING MAY 18TH URGENT=

JOHN P MORRIS DIRECTOR CIVILIAN PILOT
TRAINING.

*Report
enlistment
(Friday)*

CPT CAA 100 CAA CPT 18.

THE COMPANY WILL APPRECIATE SUGGESTIONS FROM ITS PATRONS CONCERNING ITS SERVICE

899

CLASS OF SERVICE

This is a full-rate telegram or Cablegram unless its designated character is indicated by a suitable label above or preceding the address.

WESTERN UNION

1220

SYMBOLS

DL=Day Letter

NT=Overnight Telegram

LC=Deferred Cable

NLT=Cable Night Letter

Ship Radiogram

A. N. WILLIAMS
PRESIDENTNEWCOMB CARLTON
CHAIRMAN OF THE BOARDJ. C. WILLEVER
FIRST VICE-PRESIDENT

(51)

Time shown in the date line on telegrams and day letters is STANDARD TIME at point of origin. Time of receipt is STANDARD TIME at point of destination

AG79 167 DL GOVT=WUX OMAHA NEBR 7 632P 1942 DEC 7 PM 13

JOHN J WEISMANN=

STATE TEACHERS COLLEGE

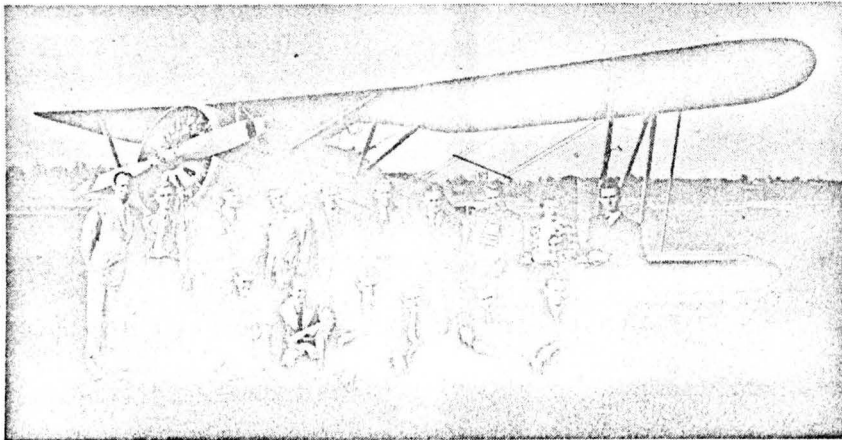
FOLLOWING EXTRACTS FROM PRIORITY RADIOGRAM DATED DEC 6 1942 FROM WAR DEPARTMENT ARE QUOTED FOR INFORMATION AND GUIDANCE QUOTE EFFECTIVE AT ONE THE ENLISTMENT OF MEN BETWEEN THE AGES OF 18 AND 38 YEARS IS PROHIBITED COMMA EXCEPT THAT ANY SUCH PERSON WHO COMMA ON OR BEFORE DECEMBER 5 COMMA 1942 COMMA SUBMITTED A BONA FIDE APPLICATION FOR VOLUNTARY ENLISTMENT COMMA MAY BE ENLISTED UP TO AND INCLUDING DECEMBER 15 COMMA 1942 NPERIOD PROHIBITION WITH RESPECT TO ENLISTMENT APPLIES TO ALL RESERVE COMPONENTS COMMA INCLUDING AIR CORPS RESERVES COMMA AND TO AVIATION CADETS PERIOD UNQUOTE ARMED SERVICES REPRESENTATIVES MUST RENDER HONEST INTERPRETATION LOCALLY F MEANING OF A BONA FIDE APPLICANT PERIOD RECRUITING OFFICERS HAVE BEEN DIRECTED NOT REPEATL NOT TO ENLIST A STUDENT UNLESS HE POSSESSSS STATEMENT FROM ARMED SERVICES REPRESENTATIVE THAT HE WAS A BONA FIDE APPLICANT AS OF DECEMBER 5 1942 ATTENTION FURTHER DRAWN TO FACT THAT ALL SUCH ENLISTMENTS MUST BE COMPLETED BY DECEMBER 15 1942 AND THAT VISITS BY RECRUITING TEAMS ARE IMPOSSIBLE= BRIGGS.

16 1942 18 38 5 1942 A 15 1942 5 1942 15 1942.

8hh

Solo a Surprise

Eighteen Aviation Students Receive Private Pilot's License



Back Row:—Mr. Weismann, Vandre, Madden, Viking, Stai, J. Theyson, Ayres, Maher, Milbrandt.

Front Row:—Bourelle, Grove, Nelson, Sayovitz, Turdick, Kavanagh.

Next time we see a little yellow plane circling above the city in an apparently aimless manner, we can be pretty certain that there's one of the members of the aviation class in it.

Eighteen out of the twenty who originally enrolled in the class are finishing their thirty-five hours in the air and expect to be graduated on June 30 and receive their private pilot's license. All eighteen have already soloed; and Ira Grove, the first to go up alone, was also the first to make his cross-country solo. He flew to Alexandria, landed, obtained a signature, and returned. Last week Robert Viking flew home to have breakfast in Brainerd and was back in school by eight o'clock.

Many of the members will be back next year when an advanced course may be offered. The majority of those who enrolled last fall intended to fly only for recreation, but several are now applying for admittance to the army or navy corps.

"We've had no accident," says Mr. Weismann, the adviser, who is taking the course himself, "and we're really proud of that record." Of course the boys are carefully prepared by Bernard Vandre, the instructor, before being permitted to make their first solo flight. A minimum of eight hours in the air must be completed before they can take a ship up alone.

Alvin Ayres was asked what he thought about while on his first solo. "Nothing," he replied, "but I thought a lot about it afterwards." It seems that Vandre doesn't warn the students that the time for their solo has come until they are all ready to take off. In this

way the student has little opportunity to become upset. "Just take off as though I weren't with you," says the instructor, "because *today I'm not going to be.*"

Of course unforeseen incidents sometimes arise. When Burton Bourelle took the plane up recently, no one guessed that a squall would come up; but as he brought it in, a sudden gust of wind tossed it into the air again; but Burton set it down safely.

After the first few flights, the enthusiasm of the students never wavers. It's a real treat to hear Joe Sayovitz tell about the time when he got ready to land and found that the clouds and fog hung so low that he couldn't see the airport. Floyd Soldin has been teaching in Osakis all spring, but is going to finish with the rest. Rose Maher, the only girl in the group, is progressing rapidly and will soon be making her cross-country flight.

Right now, everyone is interested in the big navy plane which has recently arrived at the airport. It belongs to the college, but members of the aviation class are not yet permitted to fly it.

VALUABLE COUPON
Lucille's Gift to the Graduate
This coupon will be worth \$1.00
credit on any permanent at
LUCILLE'S BEAUTY SALON
Phone 1123--1124

Chief, Private Flying Development Division
Civil Aeronautics Authority
Washington, D. C.

Dear Sir:

The following has been designated Director of the
Civilian Pilot Training Program for this institution. He
is authorized to supervise the conduct of the training,
except execution of contracts. Future communications from
the Authority should be addressed as indicated below.

Gen. A. Selke
President

Institution State Teachers College
St. Cloud, Minn.
Name of Director John J. Wassenaar
Title of Director Director of Personnel
Mailing Address State Teachers College
St. Cloud, Minnesota
Telephone: (Office) 401 (Home) 3076 W.

HEADQUARTERS 47TH BOMBARDMENT GROUP (L)
AIR FORCE COMBAT COMMAND
WILL ROGERS FIELD, OKLAHOMA

Mr. John H. Weismann,
State Teachers College,
St. Cloud, Minnesota

Dear Sir:

I am informed that you have been designated Faculty Air Force Advisor of your institution. May I take this opportunity to express to you my personal thanks and the thanks of the United States Army Air Forces for your willingness to act in this capacity.

You are no doubt aware of the pressing need for qualified young men to undertake training to compete for commissions in the Army Air Forces. I cannot emphasize too strongly how imperative it is that between now and July 1, 1942, we enlist every qualified young man who is now ready for military service.


Between this date and July 1st we propose to hold a series of conferences in centrally located colleges in your area. These conferences will be attended by Faculty Air Force Advisors from colleges in the vicinity, and plans will be made for a later visit by an Air Force Examining Board to complete enlistments.

Such a conference will be held on the afternoon of May 7, 1942, at The University of Minnesota. Because of the urgency of the situation at this time, we earnestly hope that you will make every possible effort to attend. May we hear from you at your earliest convenience as to whether you can attend this conference?

I am enclosing a copy of a new manual covering the revised Aviation Cadet program of the Army Air Forces, three copies of which were sent to your institution some days ago. It is our sincere belief that the program outlined therein providing, as it does, opportunity for enlistment on a deferred service basis, will accomplish two major objectives. That is, it will disrupt the nation's educational system as little as possible considering the fact of war; and it will provide the Army Air Forces with a great reserve of qualified officer material.

For your cooperation and that of your institution, may I express in advance my sincere thanks and that of the Army Air Forces.

Very truly yours,


MALCOLM GREEN, Jr.,
Major, Air Corps,
Senior Member,
Aviation Cadet Board.

Contract No. CAA-739

CIVIL AERONAUTICS AUTHORITY

WASHINGTON

CONTRACT FOR PILOT TRAINING
(GROUND INSTRUCTION)

OCT 15 1 49 PM '39

RECEIVED
CIVIL AERONAUTICS
AUTHORITY

Between

THE CIVIL AERONAUTICS AUTHORITY and State Teachers College
(Educational Institution)

THIS CONTRACT, entered into this 7th day of October 1939, by the United States of America, hereinafter called the Government, represented by the contracting officer executing this contract, and State Teachers College, hereinafter called the Contractor, located at St. Cloud, Minnesota, witnesseth that the parties hereto do mutually agree as follows:

ARTICLE 1. Services to be performed. The Contractor shall cooperate with the Government in selecting for participation in the pilot training program, pursuant to the Civilian Pilot Training Act of 1939 (Public No. 153 - 76th Congress, approved June 27, 1939) such number of properly qualified students, not to exceed ten, as may be allocated to the Contractor by the Government. The Contractor shall exercise general supervision over each such student in all matters pertaining to his participation in such program except at such times as such student may actually be receiving instruction from his flight instructor. The Contractor shall provide and maintain a ground school course in accordance with the curriculum prescribed in the ground school course outline attached hereto and made a part hereof, and shall provide in connection therewith such textbooks and other informative material, as are not supplied by the Civil Aeronautics Authority, (hereinafter referred to as the Authority), such instructors approved by the Authority, such classrooms and other facilities and equipment as may be necessary adequately to conduct such course of instruction.

ARTICLE 2. Student payment. The Contractor shall require each student participating in the pilot training program to pay an amount not exceeding forty (\$40.00) dollars as a course fee. Out of this amount the Contractor shall provide (1) appropriate student insurance coverage in the amount of three thousand (\$3,000) dollars accidental death and dismemberment, and five hundred (\$500) dollars hospitalization and medical reimbursement, for injuries sustained by the student as a student pilot under requirements of the Civil Aeronautics Authority Flight Training Program while flying, going directly to, being at, or returning directly from classes, airports or places of forced landing, which coverage shall remain in force for one year or until the student completes the course and receives a private pilot's certificate from the Civil Aeronautics Authority.

Satisfactory proof of coverage shall be submitted to the Authority by the contractor, prior to the beginning of the course, in such form and manner as the Authority may prescribe; and (2) the cost of a medical examination to be given by the flight surgeon approved by the Authority.

ARTICLE 3. Loans of equipment. In the event that the Government shall agree to loan the Contractor any equipment in connection with the pilot training course, the Contractor shall pay the cost of transporting such equipment to the place at which it is to be used by the Contractor and return, and shall reimburse the Government for any damage to such equipment other than natural wear and tear.

ARTICLE 4. Procedures, reports, and regulations. The Contractor shall comply with such procedures, and make such reports, as the Authority shall require, and shall comply with all applicable rules or regulations promulgated by the Authority pursuant to the Civil Aeronautics Act of 1938 (52 Stat. 973, approved June 23, 1938) or the Civilian Pilot Training Act of 1939 (Public No. 153 - 76th Congress, approved June 27, 1939).

ARTICLE 5. Duration. This contract shall not remain in effect beyond June 30, 1940, and, shall be subject to cancellation either by the Government or by the Contractor upon thirty (30) days' notice in writing.

ARTICLE 6. Payment. The Contractor shall receive twenty (\$20) dollars for each student selected to participate in the pilot training program and enrolled in the ground school course, provided he successfully completes such course. Such payment shall be made upon the successful completion by the student of the ground school course.

ARTICLE 7. Disputes. All disputes arising under this contract shall be decided by the contracting officer or his duly authorized representative subject to written appeal by the Contractor, within thirty (30) days, to the Chairman of the Authority, whose decision shall be final and conclusive upon the parties hereto. During the pendency of such disputes, the Contractor shall diligently proceed to perform the services under the contract as directed.

ARTICLE 8. Officials not to benefit. No Member of or Delegate to Congress or Resident Commissioner, shall be admitted to any share or part of this contract or to any benefit that may arise therefrom, but this provision shall not be construed to extend to this contract, if made with a corporation for its general benefit.

ARTICLE 9. Assignment. This contract shall not be assigned.

ARTICLE 10. Alterations. The following changes were made in this contract before it was signed by the parties hereto:

IN WITNESS WHEREOF, the parties hereto have executed this contract as of the day and year first above written.

THE UNITED STATES OF AMERICA

By C. M. Estep
C. M. Estep,
Chief, Office Service Division
Civil Aeronautics Authority

(Official title)

Two witnesses:

Mrs. Vilma Lehto

State Teachers College
St. Cloud, Minn.
Paul A. Selke, President) Contractor

Hazel B. Hansen

I, Mary Lilleskov, certify that I am the _____
registrar and secretary of the institution named as contractor

herein; that Geo. T. Selke
who signed this contract on behalf of the contractor, was then _____
President of said institution; that said
contract was duly signed for and in behalf of said institution by authority
of its governing body, and is within the scope of its corporate powers.

(SEAL)

Mary Lilleskov
(Signature)
MARY LILLESKOV
Notary Public, Stearns County, Minn.
My Commission Expires Nov. 15th, 1943

(This contract is required to be executed by the Contractor in quintuplicate and submitted to the Civil Aeronautics Authority immediately for acceptance on behalf of the United States.)

CIVIL AERONAUTICS AUTHORITY

WASHINGTON, D. C.

VOCATIONAL FLIGHT TRAINING PROGRAM

72 HOUR GROUND SCHOOL COURSE

Complete outline and texts to be furnished:

- We Oct 31*
- I. HISTORY OF AVIATION (2 class hours): Man's desire to fly—Legendary flight—The development of early types of balloons—Gliding in its development—Exterior powered airplanes—The work of the pioneers in actual flight—Development of the airplane in the World War.
- We Nov 1*
- II. CIVIL AIR REGULATIONS (12 class hours): The need for centralized regulation—Aircraft airworthiness—Certificates—Identification numbers and marks—The requirements as to maintenance and inspection of aircraft—The air traffic rules—Privileges and limitations of pilots.
- Parkinson*
- III. NAVIGATION (15 class hours): The need for a knowledge of navigation—Globes, maps, and charts—The various systems of projection—Navigation by "Pilotage"—Dead reckoning—Course lines and correction for drift—The compass and its errors—Variation, deviation, and drift—Combination methods of navigation—Fixes and orientation—Complete navigation work.
- Johnson*
- IV. METEOROLOGY (15 class hours): Weather and climate—The fundamental elements of weather—Pressure, temperature, and humidity—High and low pressure areas and their travel—Isobars, isotherms, and weather-map symbols—Cloud formation and types—Precipitation—Condensation and advection fogs—Relation between temperature and dewpoint—Interpretation of complete weather maps—The air-mass theory—Identification of air masses and fronts.
- Handwritten*
- V. PARACHUTES (1 class hour): Theory and construction of the modern parachute—The pack, harness, and case—Care and use of parachutes in modern practice.
- Engstrom*
- VI. AIRCRAFT AND THEORY OF FLIGHT (15 class hours): Structure of the atmosphere—Air as a mass capable of supporting weight—The flow about an airfoil—Action and reaction as obtained by an airfoil—Airfoil shapes—Angle of attack—Lift forces—Drag forces—Center of pressure—Resulting force—Wing structure and design—Control and stability in flight—The tail surfaces—General design—Inspection and maintenance.
- Johnson of*
- VII. ENGINES (5 class hours): Expansion of gases with heat—The simple heat engine—Internal combustion engines—The four-stroke cycle—Valves and valve gear—Cams and cam rings—Spark plugs—Ignition—Lubrication—General inspection and maintenance.
- Engstrom*
- VIII. INSTRUMENTS (5 class hours): Grouping of instruments—Flight instruments—Power-plant instruments—Navigational instruments—Heat indicators—Gyroscopic instruments—Pressure indicators—Speed indicators.
- Johnson*
- IX. RADIO USES AND FORMS (2 class hours): Standard phraseology used in dispatching and reporting movement of aircraft.

WASHINGTON
GROUND SCHOOL RECORD

Institution State Teachers College
City and State St. Cloud, Minnesota

Student Benjamin Wilbrandt
Operator R. G. Vandree

	COURSE	COURSE GRADE	CERTIFICATE EXAM. GRADE	DATE COMMENCED	INSTRUCTOR	REMARKS
1	History	83	XX	Oct. 31	J. J. Weismann	
2	Civil Air Regulations	75	90	Nov. 1	J. J. Weismann	
3	Air Navigation	90		Nov. 7	F. E. Perkins	
4	Meteorology	78	92	Nov. 8	A. C. Larson	
5	Parachutes, Aircraft; and Theory of Flight	68	XX	Feb. 6	R. Engstrom	
6	Engines, Instruments; and Radio	78	XX	Mar. 19	R. M. Torgerson R. Engstrom	
Final Average						
Final Remarks:						

Original to C. A. A.; Washington; D. C.; one copy to operator; one copy to institution.

I hereby certify that the instruction has been given as indicated above.

John J. Weismann
Institutional Representative's Signature

I hereby certify that the instruction has been received by me as indicated above.

Benjamin W. Wilbrandt
Student's Signature

DEPARTMENT OF COMMERCE
CIVIL AERONAUTICS ADMINISTRATION

WASHINGTON

CHECK PHASE:

- ☒ Full Time.
☐ Extra Curricular.

CHECK COURSE:

- ☒ Elementary. ☐ Link Instrument.
☐ Liaison Pilot. ☐ Elementary Instructor.
☐ Secondary. ☐ Secondary Instructor.
☐ Cross Country. ☐ Flight Officer.

GROUND SCHOOL RECORD

Date Jan. 14, 1943

Institution State Teachers College

Student William Edward Berg

City and State St. Cloud, Minnesota

Flight Contractor Van's Air Service

SUBJECT	DATE COMMENCED	HOURS REQUIRED	HOURS PRESENT	COURSE GRADE	C. A. A. EXAMINATION GRADE	INSTRUCTOR	REMARKS
1. Math	11-14-42	26	26	85	93	C. O. Bemis	
2. Physics	11-14-42	20	20	70	87	Francis Cooke	
3. C.A.R.	11-14-42	20	20		90	P.C. VanSteinburg	
4. Nav.	11-14-42	36	36		97	James Hills	
5. Gen. Serv. Air.	11-16-42	10	10		93	P.C. VanSteinburg	
6. Code	11-14-42	22	22			M. B. Millett	A 8
7. Mil. & Phys. Tr.	11-16-42	58	58	87		M. B. Millett	
8. Airc. Ident.	12-1-42	12	12	32		John J. Weismann	
9. Mil. Sc. & Disc.	11-17-42	12	12	78		Robert Zierden	
10. Met.	12-1-42	24	24		93	James Hills	
TOTALS AND FINAL AVERAGES...		Total 240	Total 240	Average 80	Average 92		

Final remarks:

I HEREBY CERTIFY, That the instruction has been received by me as indicated above.

William Edward Berg
(Student's signature)

I HEREBY CERTIFY, That the instruction has been given as indicated above.

John J. Weismann
Ground Instruction Contractor Representative.
M. N. Sullivan
C. A. A. Representative.

ROUTING.—Original to Department of Commerce, Civil Aeronautics Administration, Attention: Civilian Pilot Training, Washington, D. C.; one copy to flight contractor; one copy to ground instruction contractor.

INSTRUCTIONS

In executing this form, please fill in the appropriate subjects in the "Subject" column *as listed below* for the course indicated in the upper right-hand corner. For your convenience the abbreviations may be used.

ELEMENTARY COURSE, FULL-TIME PHASE

- | | |
|---|----------------------|
| 1. Mathematics..... | (Math.) |
| 2. Physics..... | (Physics) |
| 3. Civil Air Regulations..... | (C. A. R.) |
| 4. Navigation..... | (Nav.) |
| 5. General Servicing and Operation of Aircraft..... | (Gen. Serv. Air.) |
| 6. Code..... | (Code) |
| 7. Military and Physical Training..... | (Mil. and Phys. Tr.) |
| 8. Aircraft Identification..... | (Airc. Ident.) |
| 9. Military Science and Discipline..... | (Mil. Sc. and Disc.) |
| 10. Meteorology..... | (Met.) |

ELEMENTARY COURSE, EXTRA-CURRICULAR PHASE

- | | |
|---|-------------------|
| 1. Civil Air Regulations..... | (C. A. R.) |
| 2. Meteorology..... | (Met.) |
| 3. Aerial Navigation..... | (Aer. Nav.) |
| 4. General Servicing and Operation of Aircraft..... | (Gen. Serv. Air.) |

SECONDARY COURSE, FULL-TIME PHASE

- | | |
|---|----------------------|
| 1. Navigation..... | (Nav.) |
| 2. Code..... | (Code) |
| 3. Military and Physical Training..... | (Mil. and Phys. Tr.) |
| 4. Aircraft Identification..... | (Airc. Ident.) |
| 5. Military Science and Discipline..... | (Mil. Sc. and Disc.) |
| 6. Meteorology..... | (Met.) |
| 7. Theory of Flight and Aircraft..... | (Th. Flt. and Airc.) |
| 8. Aircraft Engine Operation..... | (Airc. Eng. Op.) |

SECONDARY COURSE, EXTRA-CURRICULAR PHASE

- | | |
|--|-------------|
| 1. Aircraft (Aerodynamics and Structures), Instruments and Parachutes..... | (Aircraft) |
| 2. Aerial Navigation..... | (Aer. Nav.) |
| 3. Radio Instruction (Code)..... | (Radio) |
| 4. Powerplants (Engines, Propellers and Accessories)..... | (Pwrplnts.) |

LIAISON-PILOT COURSE

- | | |
|---|----------------------|
| 1. Mathematics..... | (Math.) |
| 2. Physics..... | (Physics) |
| 3. Civil Air Regulations..... | (C. A. R.) |
| 4. Navigation..... | (Nav.) |
| 5. General Servicing and Operation of Aircraft..... | (Gen. Serv. Air.) |
| 6. Code..... | (Code) |
| 7. Military and Physical Training..... | (Mil. and Phys. Tr.) |
| 8. Aircraft Identification..... | (Airc. Ident.) |
| 9. Military Science and Discipline..... | (Mil. Sc. and Disc.) |
| 10. Meteorology..... | (Met.) |

CROSS-COUNTRY COURSE

- | | |
|--|--|
| 1. Powerplant Operation and Flight and Engine Instrument Analysis..... | (Pwrplnt Op. and Flt. and Eng. Instr. An.) |
| 2. Applied Meteorology..... | (App. Met.) |
| 3. Applied Aerial Navigation..... | (App. Aer. Nav.) |

LINK-INSTRUMENT COURSE

- | | |
|--|---------------|
| 1. Instruments (limits—operation)..... | (Instruments) |
| 2. Applied Meteorology..... | (App. Met.) |
| 3. Use of Computer..... | (Computer) |
| 4. Civil Air Regulations (Instrument)..... | (C. A. R.) |
| 5. Radio (Orientation Procedures)..... | (Radio) |

ELEMENTARY AND SECONDARY INSTRUCTOR COURSES

- | | |
|--|--------------------------|
| 1. Civil Air Regulations..... | (C. A. R.) |
| 2. Powerplants..... | (Pwrplnts.) |
| 3. Aircraft (Aerodynamics and Structures)..... | (Aircraft) |
| 4. Meteorology..... | (Met.) |
| 5. Aerial Navigation..... | (Aer. Nav.) |
| 6. Flight Instruction Methods..... | (Flt. Instruction Meth.) |

189

BEGINNING CLASS

AERONAUTICS STUDENTS WHO HAVE EARNED CREDIT FOR THE GROUND SCHOOL COURSES

Name	Elementary Aeronautics	Advanced Aeronautics
Spring 1940		
Ayers, Alvin	4 credits	
Broderick, Bernard J.	4 "	
Bourelle, Burton L.	4 "	
Grove, Henry I.	4 "	
Kavanagh, Robert	4 "	
Loch, Celester T.	4 "	
Madden, Mertice A.	4 "	
Maher, Rose E.	4 "	
Martin, Donald A.	4 "	
Milbrandt, Benjamin	4 "	
Nelson, Merritt	4 "	
Sayovitz, Joseph	4 "	
Soldin, Floyd L.	4 "	
Stal, Robert H.	4 "	
Theyson, Vernon H.	4 "	
Tvrđik, Edward	4 "	
Viking, Robert L.	4 "	
Voth, John	4 "	
Ward, Merrill T.	4 "	
Wessman, Rodney	4 "	
Parkins, Curtis	4 "	

Class	Quota	Auditors	Enrolled	Student Fee	Paid by Students	Number Dropped	Number Finished	Payment by U.S. Treas.
Primary Sept. to June 1939-1940	20	3	20	\$40.00	\$845.00	3	17	\$340.00
Primary Summer 1939-1940	15		15	16.00	240.00	2	13	716.00
Primary Fall 1940-41	20		19	19.00	323.00	2	15	300.00
2 0 Primary Spring 1941	20		20	18.00	360.00	2	18	360.00
Secondary Spring 1941	10		9	22.00	188.00	2	7	480.00
Primary Summer 1941	10		10	17.20	144.60	2	8	320.00
Secondary Summer 1941	10		10	19.60	176.40	1	9	540.00
Primary Fall 1941	10	2	10	17.00	170.00	0	(11 Antici- (pated	440.00))
Secondary Fall 1941	10		10	19.00	171.00	3	(7 Antici- (pated	480.00))
Total	125	5	121		\$2618.00	17	106	\$3976.00

Civil Aeronautic Authority
The War Service Training Program

The Civilian Pilot Training Program which operated successfully for a period of almost two years was brought to a gradual halt shortly after the Japanese attack on Pearl Harbor, December 7, 1941. The C.P.T. classes in process were completed at the end of the school year and then closed in favor of a new type of training program.

It soon became evident that World War II was going to be won by the side that controlled the air. At the time of our entry into the shooting war, Germany was leading the allies in airpower by a wide margin. For the United States it meant an all out effort to produce planes and the men to fly them. Aviation had become very popular with the general public which was certainly due in large part to the Civilian Pilot Training Program.

When full mobilization got underway it became apparent that a very large percentage of our young men wanted to go into a branch of aviation. The qualifying standards both physical and mental were extremely high and rigid. Only the cream of the crop could qualify and meet these standards. Many who wanted to serve in aviation were eliminated because of the failure to meet one of the high standards such as 20/20 vision, age, height, or failure to pass the written examination. This left many thousands of nearly excellent candidates who were not found eligible to meet combat flying standards. These men however, could qualify as well as the regular combat pilots in doing certain jobs in aviation such as ferrying planes from point to point, flying towed gliders, training beginning pilots, working at

airports and weather bureaus etc.

From this vast reservoir of well qualified men with a deep desire to serve in aviation and with the past experience of the Civilian Pilot Training Program already successful, a new program came into being.

Using the same facilities as used in C.P.T., the college and the local airport, the new program of "War Training Service" came into being. It took a little time to set up but soon tests, both physical and mental were available at training centers all over the country. St. Cloud was flooded with candidates who had to first pass a written test. St. Cloud Teachers College was given a beginning quota of 20 men that were approved July 7, 1942. This program like the C.P.T. was conducted by the Civil Aeronautics Authority. President George Selke appointed John J. Weismann to be coordinator of the program. Vans Air Service again had the contract to train the men in flying.

The War Training Service Program was made up of men enlisted in the Air Force under a special category. This was a full time program of ground school classes and flight training. The men, even though they were enlisted in the Air Force or Naval Aviation were not paid while in training. Board, room, clothing and books were provided but nothing else. The uniforms were forest green and the supply was quite adequate.

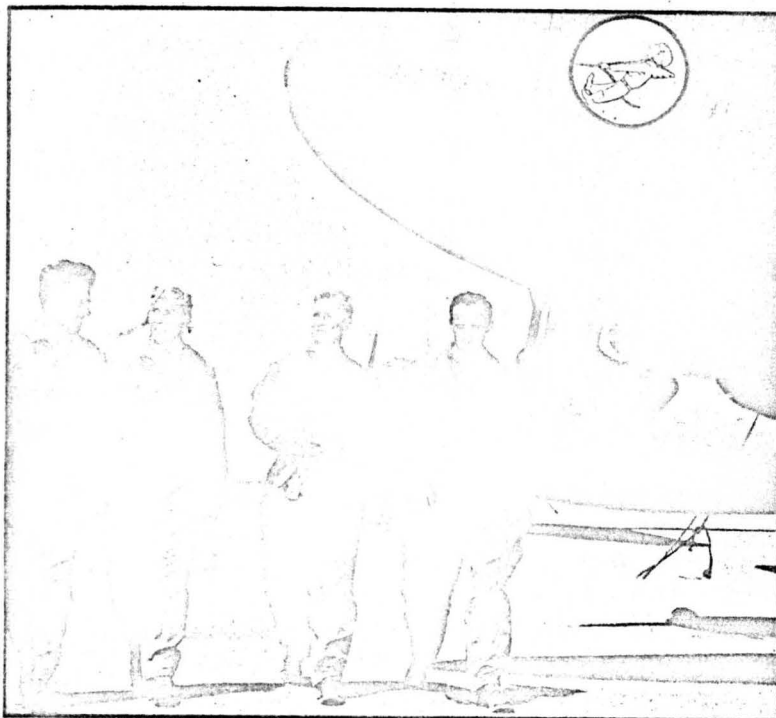
Carol Hall was equipped as a dormitory for this group. Bunk beds were purchased but furniture like dressers, study tables, and

chairs were made at the St. Cloud Reformatory. Design and specifications for the furniture were drawn by the coordinator, J. J. Weismann. It was paid for out of the proceeds from operating the program. The reimbursement by the government to the college and Vans Air Service were very liberal. A very neat profit accrued over the period of seven months while the program was in operation. See the financial statement attached.

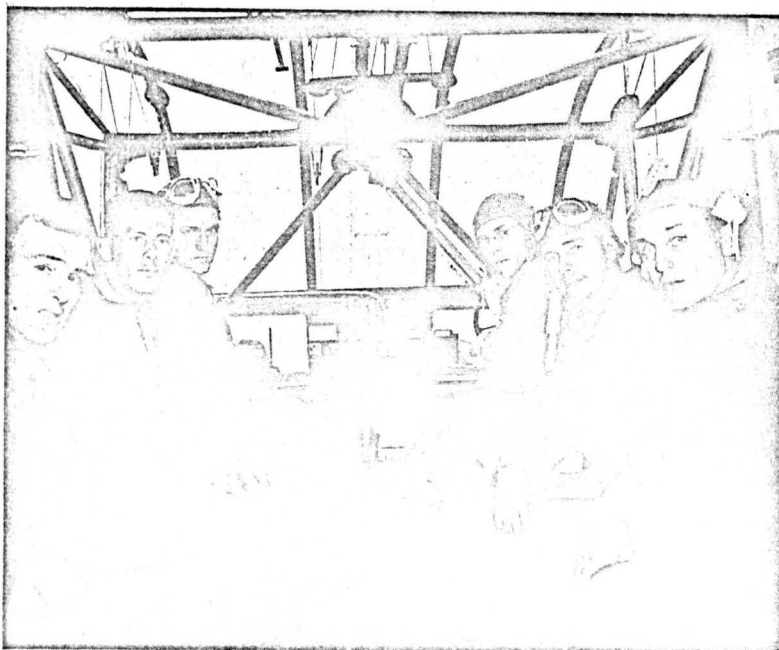
The program lasted for a period of seven months. As many as 40 men were on the program at one time. The first group was sent into glider training in Lublock, Texas. Of that group several became instructors while others saw combat duty in flying gliders over the European Theater transporting airborne troops. Many of these men were married but eligible for the draft so they chose this program without pay rather than be drafted into the Army. While on the War Training Service program they classified as Aviation Cadet Reserves or Naval Air Corps Reserves.

The program ran from July 7, 1942 to April 15, 1943. In its place came the Army Air Force College Training Program.

St. Cloud men training to be glider pilots at Lubbock, Texas after completing training here.



Strolling under the nose of their big twin-engined tow plane are (left to right) Sgts. Henry M. Uberécken, St. Cloud; William A. Berlin, Hibbing, state legislator on leave; Milton Kalkman, St. Cloud; and J. J. Loh, Dickinson, N. D.



In a glider ready to take off are (left, front to back) Sgts. Uberécken; Chester Erickson, St. Cloud; and Richard Pillard (pilot), Minneapolis. Right (front to back) are S. D. Dubbee, Red Wing; Robert R. Bisch, Brewster; and Sylvester G. Claseman (co-pilot), Minneapolis.

January 26, 1943

WESTERN UNION

1220

SYMBOLS

DL = Day Letter

NT = Overnight Telegram

LC = Deferred Cable

NLT = Cable Night Letter

Ship Radiogram

A. N. WILLIAMS
PRESIDENT

NEWCOMB CARLTON
CHAIRMAN OF THE BOARD

J. C. WILLET
FIRST VICE-PRESIDENT

CODE OF SERVICE

This is a full-rate
telegram or Cable-
gram unless its de-
scribed character is in-
dicated by a suitable
symbol above or pre-
ceding the address.

Time shown in the date line on telegrams and day letters is STANDARD TIME at point of origin. Time of receipt is STANDARD TIME at point of destination

GOVT DL=WUX FO OMAHA NEBR 7 317PM SEP 7 PM 5 42

CIVILIAN PILOT TRAINING=

STCLOUD STATE TEACHERS COLLEGE STCLOUD MINN=

SPECIAL LTR ORDER THIS TWO SIX EIGHT NAUGHT ORDERS
FOLLOWING PVTS ERC UR SCHOOL ACTIVE DUTY GLIDER REPLACEMENT
POOL AFAFS LUBBOCK TEXAS REPORT NOT LATER THAN
SEPTEMBER JOHN 17113378 CHARLES H
17080145 PAUL 17113374 HENRY M UBERCKEN 17113375
CHESTER W ERICKSON 17113371 HALEY E BISHOP 17113353
HAROLD L KERR 17080168 CHARLES J H 17113352 LUVERNE
H PLADSEN 17080167 REIMBURSEMENT FIVE CENTS PER MILE FOR
TRAVEL AUTHO - END=

UHL

January 26, 1943

Budget Estimate for
Full-Time Army Elementary Aeronautics Training Class 43E
(Ten Trainees)

St. Cloud State Teachers College
St. Cloud, Minnesota

Personal Services

Permanent	863.33	
Temporary	<u>73.00</u>	
Total		936.33

Other Services

Communication	15.00	
Travel and transportation	35.00	
Electricity, gas, and water	50.00	
Meals	650.00	
Care of vehicles	50.00	
Medical examinations	60.00	
Cleaning and laundry	30.00	
Insurance	<u>109.00</u>	
Total		999.00

Materials and Supplies

Stationery and office supplies	10.00	
Printing	5.00	
Educational & scientific supplies	70.00	
Maintenance materials	<u>5.00</u>	
Total		<u>90.00</u>

GRAND TOTAL

2025.33

John J. Weismann
Coordinator

of 1937-38 CREDITED TO ARMY C.P.T.

Personal Services

	PER	AMOUNT
Permanent		
C. O. Bemis	90.00	5,279.00
Lieut. Robert Zierden	20.00	843.00
John J. Weismann	373.33	2,180.00
C. F. Cook	75.00	1,400.00
Lieut. Beryl Millett	85.00	50.50
P. C. VanSteinburg	65.00	12.50
James Hills	72.00	261.20
Imogene Bretz	83.00	74.31
Total		138.35
		4,360.00
		400.00
		1,394.00
		15.00
		25.00
		863.33
Temporary		
Charles Muth	10.00	84.00
Lawrence Hoyt	25.00	3,192.00
George Chamberlain	38.00	2,774.00
Total		2,931.19
		497.50
		3,360.00
		75.48
		329,926.98
		73.00

Balance of \$2535.65 in old C.A.S. account was credited to State Fund
 2/1/38 GRAND TOTAL 936.33

FUNDS RECEIVED AND CREDITED TO ARMY C.P.T.

DATE	ITEM	AMOUNT
8/14/42	Supt. of Documents	.10
8/19/42	W. P. Hirschfield	25.05
10/14/42	U.S. Treasury	1.20
10/21/42	Supt. of Documents	.10
10/29/42	U.S. Treasury	5,279.00
10/30/42	U.S. Treasury	693.00
11/6/42	U.S. Treasury	643.00
11/6/43	U.S. Treasury	2,180.00
11/27/42	Supt. of Documents	.15
11/30/43	U.S. Treasury	1,400.00
12/3/42	U.S. Treasury	54.60
12/3/42	U.S. Treasury	12.50
12/5/42	U.S. Treasury	261.80
1/4/43	U.S. Treasury	74.31
1/5/43	"	138.35
1/7/43	"	4,360.00
2/1/43	"	400.00
2/1/43	"	1,344.00
2/13/43	Supt. of Documents	15.00
2/16/43	U.S. Treasury	95.06
2/22/43	"	14.60
3/8/43	Farmers Mutual Auto Ins. Co.	84.04
3/8/43	U.S. Treasury	3,192.00
3/26/43	"	2,774.00
3/26/43	University of Minnesota	2,931.14
4/5/43	U.S. Treasury	497.50
4/5/43	U.S. Treasury	3,360.00
4/5/43	U.S. Treasury	96.48
	Total	\$29,926.98

Balance of \$2535.65 in old C.A.A. account was credited to State Funds
2/1/43

Financial Statement
CAA WAR TRAINING SERVICE
July 7, 1942 to April 15, 1943

INCOME

Income Received	\$29926.98	
Income Receivable	<u>6629.35</u>	
Total Income		\$36556.33

EXPENDITURES

Transportation	771.76	
Fuel, Gas, Light, Water	916.03	
Physical Examinations	434.00	
Communication	158.26	
Advertising	56.88	
Instruction, Testing, and Labor	4209.08	
Staff Salaries	3010.01	
Furniture, Bedding, Equipment, and Supplies	2163.55	
Educational Equipment and Supplies	1709.44	
Meals and Rooms	8527.04	
Plumbing and Other Repairs	285.71	
Laundry and Cleaning	200.41	
Insurance	1248.88	
Office Supplies	75.34	
Moving Furniture	75.85	
Miscellaneous	<u>78.44</u>	
Total Expenditures		<u>23920.68</u>

BALANCE

\$12635.65

John J. Weismann
Coordinator

Inventory

CAA WAR TRAINING SERVICE

April 15, 1943

Called to active duty Field
Artillery school \$75 a month
during training. Appointed
Staff Sergeant, \$144 a month

Number	Article	Cost
<u>Furniture, Equipment, and Supplies</u>		
1	Ford Stationwagon	\$850.00
1	Buick Seven Passenger Car	400.00
80	Blankets at \$5.50	440.00
11 doz.	Sheets at \$13.80 doz.	151.80
5 1/2 doz.	Pillow cases at \$3.60 doz.	19.80
10	Mattresses at \$8.95	89.50
26	Pillows at \$.98	25.48
12	Dressers, oak at \$16.50	198.00
10	Tables, oak at \$12.00	120.00
12	Chairs, oak at \$3.25	39.00
8	Mirrors at \$2.00	16.00
1	Snow Shovel	1.35
1	Gas Water Heater	94.50
1	Book Case	8.50
12	Tablet Arm Chairs	96.00
1	Circulating Heater	40.00

Called to active duty at Air Force officer
school for special training. \$75 a month
during training. Appointed Staff Sergeant
\$144 a month.

Called to active duty at Naval Navy
training. \$89.50 a month. \$221 a month.

Total

AIRLINES SCHOOL 2589.93

Additional Supplies

1	Physics Laboratory Equipment	\$1248.12
1	Drill Press (Industrial Arts and Physics)	57.90
20	Dalton Mark VII Computers	150.00
1 set	Aircraft Flash Cards	10.00
1 set	Aircraft Slides	35.00
9 volumes	Altitude and Azimuth Tables	19.30
1	Model airplane	50.00
30	T.M. 1-233 Physics at \$.15	4.50
24	T.M. 1-900 Math	3.60
1	Air News Yearbook	2.90
3	A Pilot's Meteorology	5.27
10	Men and Wings at \$.50	5.00
1	Flying Tigers	2.50
1	Wings of Offense	2.50
1	Army Flyer	3.00
2	What the Citizen Should Know About the Navy	5.00

Total

1604.59

GRAND TOTAL

\$4194.52


CAA-CPT PILOT TRAINING FOR ARMY AND NAVY AIR FORCES

"GET 'EM TRAINED!"

YOU


ELEMENTARY *8 Weeks*

240 hours ground
35-45 hours flight
CPT pays subsistence




SECONDARY *8 Weeks (16 Total)*

240 hours ground
40-50 hours flight
CPT pays subsistence




CROSS-COUNTRY *8 Weeks (24 Total)*

108 hours ground
45-50 hours flight
CPT pays subsistence



LIAISON

10 weeks
240 hours ground
55-65 hours flight
CPT pays subsistence




Called to active duty Field Artillery school \$75 a month during training. Appointed Staff Sergeant; \$144 a month.

Called to active duty at Air Forces glider school for special training, \$75 a month during training. Appointed Staff Sergeant. \$144 a month.

Called to active duty for combat Navy training. Commissioned as Ensign, \$216 a month, \$291 with flying pay.


FLIGHT INSTRUMENT *8 Weeks (32 Total)*

108 hrs ground
20-25 hrs Link trainer
CPT pays subsistence




FLIGHT OFFICER *8 Weeks (32 Total)*

50 hrs flight
325 hours ground
20-30 hours Link trainer
CPT pays subsistence




AIRLINES SCHOOL

Multi-engined transitional and Flight Instrument training. \$150 a month during training. Job as co-pilot.



INSTRUCTOR *8 Weeks (40 Total)*

72 hours ground
50-60 hours flight
CPT pays subsistence



Job as co-pilot on airlines doing ferrying work for Army or Navy. \$200 up per month

PROCEDURE (Army)

- Necessary to qualify
 - If between 18th and 27th birthdays, must have been rejected for combat pilot on mental or physical examination—or
 - Must have reached 27th but not 37th birthday
- Make application CPT coordinator, any CPT training center
- Pass C.A.A. Mental examination
- Pass Commercial CPT physical examination
- Secure coordinator's certification
- Secure CPT approval on Form 1035
- Obtain clearance local draft board on Form DSS 190
- Enlist in Army Air Corps Reserve

Need—1. Birth certificate

 - Two Copies Medical Exam Form 165
 - Three letters recommendation
 - Two copies Form 1035
 - One copy Form 190

(Navy)

- Apply Naval Aviation Cadet Selection Board. Join Navy as Aviation Cadet, Class V-5. Or, apply for probationary commission, if qualified. Assigned to CPT Training Center.

After further training by Army or Navy, assigned as civilian instructor for Army, or as Service Pilot with rank of Flight Officer or 2nd Lieutenant, varied duties; or to Navy as instructor with commission.

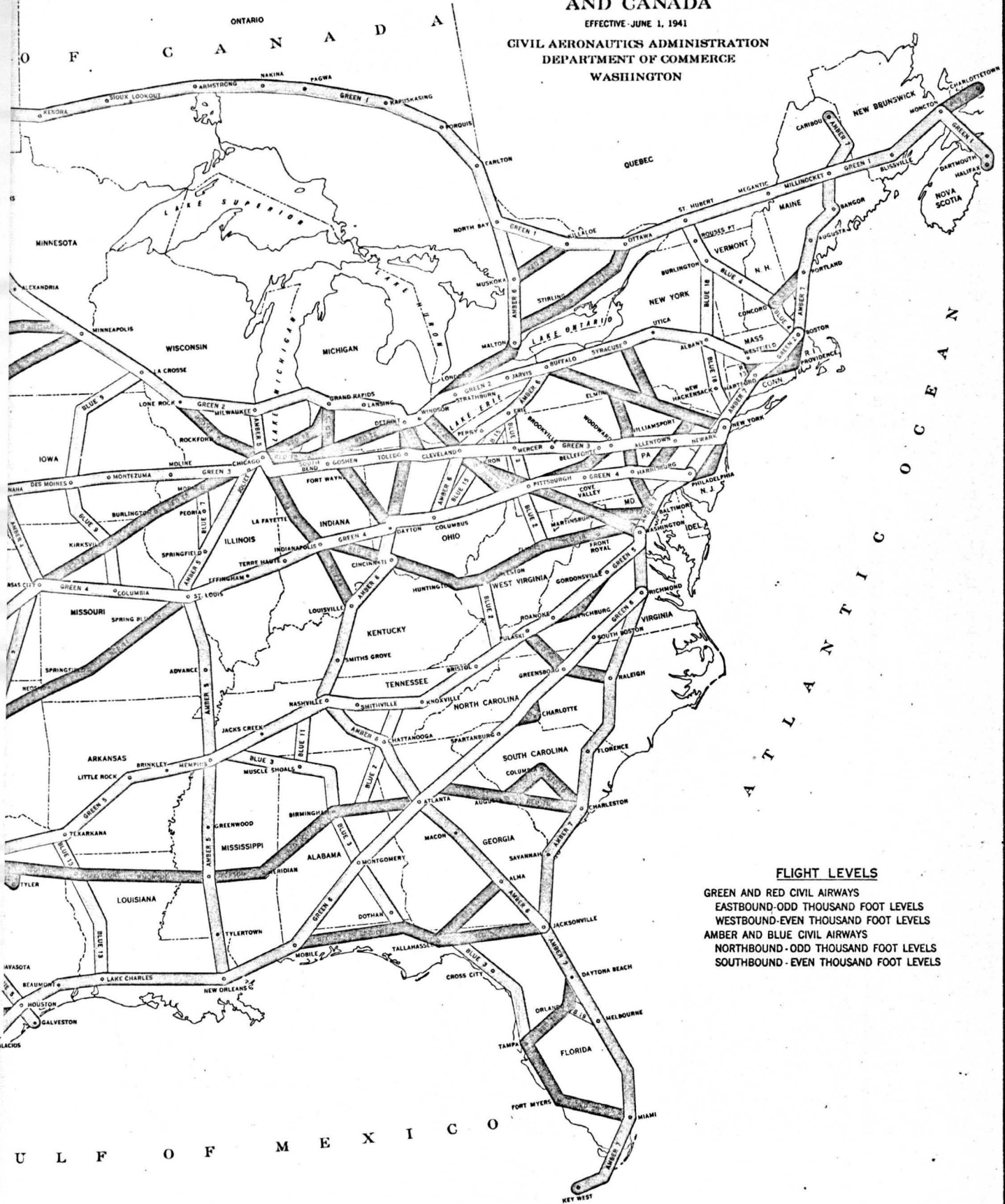
Navy also accepts experienced pilots as instructor trainees. (Minimum experience, CPT elementary course graduate, or equivalent.) Given probationary commission, Ensign, \$216, or Lieutenant (jg), \$247 a month during training. After specialized Navy training at Pensacola, assigned to active duty as instructor, etc.

Women with 200 hours flying time eligible for special CPT cross-country and flight instrument course, 100 hours. \$150 a month during training. Assigned to active duty with Women's Auxiliary Forces, Air Transport Command, \$250 a month, on civil service status.

CIVIL AIRWAYS OF THE UNITED STATES AND CANADA

EFFECTIVE - JUNE 1, 1941

CIVIL AERONAUTICS ADMINISTRATION
DEPARTMENT OF COMMERCE
WASHINGTON



FLIGHT LEVELS

GREEN AND RED CIVIL AIRWAYS
EASTBOUND-ODD THOUSAND FOOT LEVELS
WESTBOUND-EVEN THOUSAND FOOT LEVELS
AMBER AND BLUE CIVIL AIRWAYS
NORTHBOUND-ODD THOUSAND FOOT LEVELS
SOUTHBOUND-EVEN THOUSAND FOOT LEVELS

32a

SUMMARY REPORT OF THE C A A SCREENING TESTS

Coordinator:

Date

Report No.

Dr. J. J. Weismann

July 7, 1942

1

CPT Coordinator

St. Cloud State Teachers College

St. Cloud, Minnesota

2871

PASSERS

FAILERS

Number

Name

Number

Name

12 Norton, Montgomery Fredick
13 Twist, Lawrence Leonard
14 Ihle, Lester August
15 Rosenberger, Richard Carl
16 Schepers, Bernard Henry
17 Gammon, Edward Lucious
18 Krause, Donald Edwin
19 Dahlquist, Paul Gustf
21 Gervais, Darwin Harry
22 Anderson, Einer Robert
24 Bury, Anthony Joseph
25 Hirschfeld, Wilbert Peter
26 Schwie, Clifford Joseph
27 Todd, William Keith
28 Brownson, Harvey Earl
30 Uberecken, Henry Mathias
31 Taft, Robert Melvin
32 Johnson, Paul Albert
34 Baxter, John William

25320 Stein, Richard Stanley
25323 Watson, Harley James
25329 Schwegman, Bernard Conrad
25335 Eichner, Herbert George

RHL

SUMMARY REPORT OF THE C A A SCREENING TESTS

Coordinator:

Date

Report No.

J. J. Weismann
Coordinator, Civilian Pilot Training
St. Cloud State Teachers College
St. Cloud, Minnesota
#2871

July 11, 1942

2

PASSERS

Name
Knott, Raymond Miland
Nquist, Carl Maurice
Hollister, Albert Virgil

Number

25333
25337
25339
25340
25342

FAILERS

Name
Schwegman, Bernard Conrad
Bartlett, Reugen Irving
Erickson, Chester Wallace
Erickson, Edward Nils
Hubbard, Eldred Alfred

Jack W. Hunlap



Department of Commerce
Civil Aeronautics Administration

This Is To Certify: That Ervin Michael Rausch
has satisfactorily completed the Civilian Pilot Training Controlled
Secondary Course

GROUND SCHOOL AT St. Cloud State Teachers College

Aircraft (aerodynamics and structures)
Powerplants (engines, propellers, and accessories)
Aerial navigation (dead reckoning, radio, celestial)

Instruments
Parachutes
Radio code

FLIGHT TRAINING AT Van's Air Service

Taxiing
Take-offs
Landings
Forced landings
Precision landings

Figure eights
Steep power turns
Chandelles
Lazy eights
Wingovers

Pylon eights
Advanced stalls
Falling leaf
Spins (precision)
Loops
Cross country

Snap rolls
Split S
Cuban eights
Immelmann
Vertical reverse

Slow rolls
Power approaches
Power landings
Dragging field
Slips

Issued this Nineteenth day of December, 1941

Approved:

W. H. Hines

John I. Weismann

35

Summer (1942) Program

DEPARTMENT OF COMMERCE
CIVIL AERONAUTICS ADMINISTRATION
Civilian Pilot Training
Washington

SC-FT-42 #1

June 25, 1942

Civilian Pilot Training Program

Outline For

CONTROLLED SECONDARY GROUND SCHOOL COURSE

FULL TIME PHASE

CONTENTS

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Code.	3
Military and Physical Training.	3
Theory of Flight and Aircraft	4-5
Aircraft Engine Operation	5-7
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Code.	9
Military and Physical Training.	9-10
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Military Forces	10-12
Meteorology	12

GENERAL INFORMATION AND OUTLINE OF GROUND SCHOOL COURSE
SECONDARY

SCOPE: The Secondary Course (ground school and flight) will be conducted on a full time basis and will be covered in a period of 8 weeks' time. The ground school course will consist of a total of 240 hours of classroom and laboratory instruction as follows:

	<u>Hours</u>	
04. Navigation	30	Lewis
06. Code	28 30	
07. Military and Physical Training	60	
08. Aircraft Identification.	6	
09. Military Science and Discipline.	26 24	
10. Meteorology.	12	Lewis
11. Theory of Flight and Aircraft.	36	Van St.
12. Aircraft Engine Operation.	42	
Total.	240	

EXAMINATIONS: The purpose of ground school training is to give the trainee a working knowledge of each subject. Examinations are to determine that he is absorbing the material being studied. Therefore, each trainee will be given written examinations by the ground school contractor as specified in the detailed breakdown of ground school subjects. Final written examinations as directed by the Administrator will be given at the completion of the course. All examinations will be subject to review by the Administrator in order to determine that satisfactory standards are being maintained.

NOTEBOOKS

Each trainee will be required to maintain a notebook containing material on each subject as directed by the instructor. No subject will be considered complete until the notebook has been submitted and graded by the instructor. The notebook grade will count as 1/3 in determining the course grade. The final examination on each subject given by the instructor, but not the CAA final examination, will count as 2/3 the course grade. The contractor will not recommend any trainee for the final CAA examination whose course grade is less than 70. The notebooks will be subject to review by the District Ground School Supervisor throughout the course.

CONTROLLED SECONDARY GROUND SCHOOL COURSE
(Total 8 weeks)

The Ground School Course is divided into two sections, the sequence of which will permit a logical development of the trainee in the subjects taught. Code is to be given through the eight weeks' course, not to exceed one hour per period.

Ceremonies are to be held every Saturday morning.

SECTION ONE (first 4 weeks)

	Hours
306. Code	12
307. Military and Physical training as follows:	
(a) Infantry Drill	7
(b) Ceremonies	4
(c) Athletics	19
311. Theory of Flight and Aircraft	36
312. Aircraft Engine Operation	42
Total	120

SECTION TWO (second 4 weeks)

404. Navigation	30
406. Code	16
407. Military and Physical training as follows:	
(a) Infantry Drill	7
(b) Ceremonies	3
(c) Athletics	20
408. Aircraft Identification	6
409. Military Forces Organization	26
410. Meteorology	12
Total	120

TEXTBOOKS AND REFERENCES

Each trainee will be furnished by the Civil Aeronautics Administration the necessary Civil Aeronautics Bulletins for the course covering aviation subjects. (Note: trainees will not be furnished duplicate copies of bulletins given them in the Elementary Course but will only be furnished with such bulletins as they have not previously received.) Such War Department publications as are available will be furnished by the Civil Aeronautics Administration in the amount of one each per contractor to be used by the instructors in all subjects to which they apply. The contractor will select and furnish the necessary Sectional and Regional Aeronautical Charts which may be purchased from a flight contractor who shall serve as an authorized agent for handling and issuing restricted charts and publications, and shall be responsible that this material is issued only to persons of undoubted loyalty and discretion who are cooperating in government work.

RECOMMENDED BREAKDOWN OF GROUND SCHOOL SUBJECTS

BY HOURS

SECTION ONE (first 4 weeks)

306. Code. 12 hours

1st -

12th hour: As soon as aural proficiency of six words per minute has been attained, trainee should then begin practice on visual reception. Periods of practice should, from this time on, be alternated giving one period visual and the next period aural through Sections One and Two.

Texts
TM 11-454

307. Military and Physical Training. 30 hours

7 hours: Infantry Drill. Definitions: School of the Soldier, School of the Platoon, School of the Company, Battalion and Regimental Drill.

Texts
FM 22-5

4 hours: Ceremonies.

NOTE: Ceremonies and Inspections to be held each Saturday morning.

19 hours: Athletics and Mass calisthenics. Supervised athletics, and competitive sports (except LaCrosse, football, and soccer). Rotation of trainees in sports such as volley ball, softball, touch football, boxing, wrestling, track, swimming, and

FM 21-20

cross-country running is desirable.
(One period daily excepting Saturdays
and Sundays should be devoted to super-
vised physical exercise).

311. Theory of Flight and Aircraft 36 hours

Purpose: To develop an understanding of elementary prin-
ciples of flight and airplane structure; and an
understanding of technical orders concerning the
operation of Army aircraft.

	References
<u>1st hour</u> : Explain Forms 1 and 1A.	Form 1 Form 1A
<u>2nd hour</u> : Nomenclature of full scale airplane.	Texts N.A.C.A. Report No. 474 TM 1-410
<u>3rd hour</u> : Physical properties of air.	C.A.B. #26
<u>4th hour</u> : Air flow; pressure distribution and resultant air force on wing.	TM 1-400 C.A.B. #26
<u>5th-</u> <u>6th hour</u> : Explanation of lift.	C.A.B. #26
<u>7th hour</u> : Lift and induced drag, viscosity drag, equilibrium in flight.	C.A.B. #26 TM 1-400
<u>8th hour</u> : Thrust and drag; aspect ratio.	C.A.B. #26
<u>9th-</u> <u>10th hour</u> : Center of pressure; angle of attack; burble point.	C.A.B. #26
<u>11th hour</u> : Air flow during stalls. Review equilibrium adding tail load.	TM 1-400 C.A.B. #26
<u>12th-</u> <u>13th hour</u> : Angle of incidence; angle of attack; lift/drag ratio.	C.A.B. #26
<u>14th hour</u> : Examination.	
<u>15th hour</u> : Review of examination.	
<u>16th hour</u> : Aerodynamic effect of controls, flaps, propellers.	C.A.B. #26 TM 1-400
<u>17th hour</u> : Forces acting on an airplane in flight.	C.A.B. #26
<u>18th hour</u> : Functions of the empennage.	C.A.B. #26
<u>19th-</u> <u>20th hour</u> : Stability; effects of improper balance.	C.A.B. #26

		Texts
<u>21st hour:</u>	Dynamic loads; aircraft performance, T.O. 00-10.	T.O. 00-10 T.O. 01-1-24 T.O. 01-1A-4
<u>22nd hour:</u>	Propeller types; thrust and torque.	C.A.B. 26
<u>23rd hour:</u>	Hamilton two-position propeller.	TM 1-412
<u>24th hour:</u>	Constant speed propeller; hydromatic propeller; method of operation and full feathering feature.	TM 1-412
<u>25th hour:</u>	Curtiss electric propeller; advantages and disadvantages.	TM 1-412
<u>26th hour:</u>	Icing of propellers; anti-icing equipment.	TM 1-411
<u>27th hour:</u>	Examination.	
<u>28th hour:</u>	Review of examination.	
<u>29th hour:</u>	Aircraft structure; wings, cantilever and externally braced.	C.A.B. 27 TM 1-410
<u>30th hour:</u>	Aircraft structure; fuselage and landing gear.	TM 1-410
<u>31st hour:</u>	Controls and control systems; trimming tabs.	C.A.B. 27 TM 1-410
<u>32nd hour:</u>	Buffetting and flutter.	TM 1-400 (135-142)
<u>33rd hour:</u>	Hydraulic Systems; nomenclature, operation.	T.O. 03-10G-1 T.O. 03-20-6 T.O. 03-20-7 TM 1-411
<u>34th hour:</u>	Principal and operation of landing gear, flaps, and wing de-icers.	
<u>35th hour:</u>	Examination.	
<u>36th hour:</u>	Review of examination.	

312. Aircraft Engine Operation 42 hours

Purpose: A brief study of the elementary principles of internal combustion engines; and to develop a knowledge of the use of technical orders governing the operation of Army Aircraft engines.

		Texts
<u>1st hour:</u>	Powerplant requirements. Weight per horsepower; reliability; economy of operation and flexibility.	C.A.B. 28

		<u>Texts</u>
<u>2nd hour:</u>	Engine Principles. 4 stroke cycle and Diesel principle.	C.A.B. 28
3rd -		
<u>4th hour:</u>	Valve operating mechanisms and timing.	C.A.B. 28
<u>5th hour:</u>	Engine design and construction practice.	C.A.B. 28
6th -		
<u>7th hour:</u>	Engine Installation.	C.A.B. 28
<u>8th hour:</u>	Types and nomenclature of Army Air Forces engines.	
9th -		
<u>10th hour:</u>	Air-cooled and liquid-cooled engines. Arrangement and functions of units--operation.	C.A.B. 28
11th -		
<u>12th hour:</u>	Engine-cooling systems. Arrangement	C.A.B. 28
13th -		
<u>14th hour:</u>	Ignition systems. Arrangement and functions of units--operation.	C.A.B. 28 TM 1-406
15th -		
<u>16th hour:</u>	Generators and generator regulations, starters, arrangement and functions of units--operation.	C.A.B. 28 TM 1-406
<u>17th hour:</u>	Examination.	
<u>18th hour:</u>	Review of examination.	
<u>19th hour:</u>	Fuels and lubricants, viscosity, service grades--octane number.	C.A.B. 28 TM 1-407
<u>20th hour:</u>	External oiling system. Arrangement and functions of units--operation.	TM 1-407
21st -		
<u>22nd hour:</u>	Fuel systems. Arrangement and functions of units--operation.	TM 1-407
23rd -		
<u>24th hour:</u>	Carburetor systems. Arrangement and functions of units--operation.	C.A.B. 28 TM 1-407
<u>25th hour:</u>	Induction and supercharger systems. Arrangement and functions of units--operation.	C.A.B. 28 TM 1-407
<u>26th hour:</u>	Examination.	

Texts

27th hour: Review of examination.

28th -

29th hour: Aircraft engine instruments--measure-
ment--where taken--interpretation.

C.A.B. 23
TM 1-413

30th, 31st -

32nd hour: Propellers and examination. Operating
forces--operation.

C.A.B. 28
TM 1-412

33rd hour: Engine operation.

34th hour: Engine Operation T. O. 03-10G-1.

35th hour: Engine Operation T. O. 02-1-5 and 03-10-15.

36th hour: Engine Operation T. O. 02-1-29.

37th hour: Engine Operation T. O. 02-1-7, 02-1-23,
03-20-7.

38th hour: Engine Operation T. O. 01-1A-4, 01-1A-4A,
01-1-24.

39th hour: Engine Operation T. O. 02-1-29, 03-20-6.

40th hour: Army Air Forces maintenance system--Periodic TM 1-415
inspection--maintenance symbols.

41st hour: Examination on Aircraft Engine Operation.

42nd hour: Review of examination.

RECOMMENDED BREAKDOWN OF GROUND SCHOOL SUBJECTS

BY HOURS

SECTION TWO (second 4 weeks)

404. Navigation	30 hours	
		<u>Texts</u>
<u>1st hour:</u> Review of simple velocity problems. Graphic solution.	C.A.B. 24	
<u>2nd hour:</u> Simple radius of action. Graphic solution.	C.A.B. 24	
<u>3rd -</u>		
<u>4th hour:</u> Alternate base problems. Graphic solution.	C.A.B. 24	
<u>5th -</u>		
<u>10th hour:</u> Practice solving all the above type problems, using computer.	Dalton Mark VII Computer to be furnished by Ground Instruction Contractor	
<u>11th hour:</u> Radio range system. Cone of silence, multiple courses, and bent courses.	C.A.B. 24	
<u>12th hour:</u> Orientation - 90° method and fade out method. Other orientation procedure.	C.A.B. 24	
<u>13th hour:</u> Orientation with radio compass. Radio bearings.	C.A.B. 24	
<u>14th hour:</u> Radio direction finder and wind.	C.A.B. 24	
<u>15th hour:</u> Examination.		
<u>16th hour:</u> Review.		
<u>17th hour:</u> General introduction to celestial navigation.	C.A.B. 24	
<u>18th hour:</u> Motions of celestial bodies.	C.A.B. 24	
<u>19th hour:</u> Definitions.	C.A.B. 24	
<u>20th hour:</u> Types of time.	C.A.B. 24	
<u>21st hour:</u> Hour angle and longitude.	C.A.B. 24	
<u>22nd hour:</u> Time signals and time zones. Greenwich date.	C.A.B. 24	

406

40

<u>23rd hour:</u>	Use of American Air Almanac. Conversion of time to arc.	<u>Texts</u> American Air Almanac furnished by Groun- Instruction Contractor
<u>24th hour:</u>	Circles of equal altitude and lines of position.	C.A.B. #24
<u>25th hour:</u>	Methods of reduction of astronomical triangle.	H.O. 211 H.O. 214 to be furnished by Ground Instruction Contractor
<u>26th hour:</u>	Star identification.	
<u>27th-</u>		
<u>28th hour:</u>	Description and use of sextant.	
<u>29th hour:</u>	Examination.	
<u>30th hour:</u>	Review of examination.	

Code 16 hours

Purpose: To develop reception practice only; 6 words per minute aural should be attained before starting visual; final achievement to be 8 words aural and 6 words visual.

Texts
TM 11-454

1st-
16th hour: All periods reception only.

(1) Aural proficiency of 6 words per minute required before starting visual practice.

(2) Aural and visual periods alternately.

(3) Visual practice by student pairs.

(4) Final Minimum Proficiency:
Aural 8 words per minute.
Visual 6 words per minute.

TM 11-454

Military and Physical Training 30 hours

7 hours: Infantry Drill. Definitions: School of the Soldier, School of the Platoon, School of the Company, Battalion and Regimental Drill.

Texts
FM 22-5

3 hours: Ceremonies and Inspections. Reviews, ceremonies, and inspections for the entire student organization on Saturday morning, or at such other times as may be prescribed locally.

FM 22-5

20 hours: Athletics and Mass Calisthenics. Supervised athletics and competitive sports (except LaCrosse, football, and soccer). Rotation of trainees in sports such as volley ball, softball, touch football, boxing, wrestling, track, swimming, and cross-country running is desirable. (One period daily excepting Saturdays and Sundays, should be devoted to supervised physical exercises).

Texts
FM 21-20

408. Aircraft Identification 6 hours

1st hour: Identification of outstanding American type aircraft. Study of silhouettes and models.

2nd hour: Performance data on outstanding American type aircraft.

3rd hour: Identification of British type aircraft, including performance data.

4th hour: Identification of Japanese aircraft. Study of performance data.

5th hour: Identification of outstanding German type aircraft, including available performance data.

6th hour: Examination and review..

Texts
FM 30-30
FM 30-35
FM 30-38
Suggested References to be furnished by Ground Instruction Contractor:

Jane's "All the World's Aircraft"

Aerosphere Aircraft Yearbook

409. Military Forces — Organization 26 hours

A. Air Forces.

Purpose: To outline the organization of both offensive and defensive units.

1st hour: Position of Army Air Forces in tactical organizations of U. S. Army. Organization of Army Air Forces.

2nd hour: Organization of combat units of Army Air Forces with complete breakdown including organization, personnel, equipment (excluding weapons) for each unit. Ref. FM 101-10, Par. 28.

3rd -

8th hour: Combat Aviation—General employment. Ref. FM 1-5, Chapter 2. Bombardment Aviation—Weapons and employment. Ref. FM 1-5, Chapter 3. Pursuit Aviation—

Texts
FM 1-5
FM 1-10
FM 1-15
FM 1-20
FM 101-10
TM 1-409

Suggested Reference to be furnished by Ground Instruction Contractor:
Jane's "All the World's Aircraft"

Weapons and employment. FM 1-5,
Chapter 4. Reconnaissance Aviation--
Weapons and employment.

9th -

10th hour: Organization and mission of Non-Combat
Units of Army Air Forces. Air Service
Command, Training Commands, Flying and
Technical Command, Ferrying Command.

B. Naval Forces.

Purpose: To outline the organization of both
offensive and defensive units.

11th hour: Functions of Navy Basic war organ-
ization. Organization of U. S.
Fleet.

Texts
FM 30-50
FM 30-53

- (a) Major Forces
- (b) Natural battle task force
organization.
 - 1. Battle line.
 - 2. Light forces.
 - 3. Air Force.
 - 4. Submarine force.
 - 5. The Train.

Shipboard nomenclature and customs.

12th hour: General types and characteristics of
naval vessels. Specific types:

- (a) Battle ships.
- (b) Battle cruisers.
- (c) Aircraft carriers.
- (d) Heavy cruisers.
- (e) Light cruisers.
- (f) Destroyers.
- (g) Submarines.

13th -

15th hour: Silhouettes, models, and recognition of
types. National characteristics of
warships. Examination.

16th hour: Fleet dispositions--General Cruising
dispositions. Approach and contact
disposition. Deployment and battle
disposition. Screens. Study of
silhouettes and models.

17th hour: Submarine characteristics and tactics.
Convoy problems. Anti-Submarine operations.

- (a) Surface craft
- (b) Aircraft

Part played by Army Air Forces in fleet sortie and entrance. Study of silhouettes and models.

18th hour: Flight from aircraft carriers. Information reports. Review. Study of models.

19th hour: Examination. Study of models.

20th hour: Review of examination. Study of silhouettes and models.

C. Ground Forces.

Purpose: To outline the organization of both offensive and defensive units.

21st hour: Organization.

Texts
FM 100-5
FM 101-10

22nd hour: Size, location, disposition movement, speed and direction. Composition of ground forces. Marches, Halts, Security.

23rd hour: Offense.

24th hour: Defense.

25th hour: Special operation.

26th hour: Examination and review.

410. Meteorology 12 hours

1st -

3rd hour: Study Practice Code Signals, United States Department of Commerce, Weather Bureau, Coded Synoptic Reports for 0130 E.S.T., February 17, 1942. Copy above data around station circles on blank weather map.

Texts
Preparation and Use of Weather Maps at Sea.

4th -

6th hour: Draw Civilian Pilot Training Weather Map No. 1; draw in isobars, locate fronts and color precipitation areas, fronts, and underline hazards to flying.

7th -

9th hour: Draw Civilian Pilot Training Weather Map No. 2, using same procedure as in Lessons 4, 5, and 6.

10th -

12th hour: Draw Civilian Pilot Training Weather Map No. 3, using same procedure as on two preceding maps.

WAR DEPARTMENT
Bureau of Public Relations

PRESS BRANCH
Tel. - RE 6700

May 15, 1942

Brs. 3425 and 3438

R E L E A S E

ARMY ESTABLISHES SCHOOLS TO TRAIN
GLIDER AND LIGHT AIRPLANE PILOTS

Light airplane and glider schools are being established in various parts of the United States, chiefly in the Middle West, to train Army Air Forces glider pilots the War Department announced today. Men from 18 to 35 years of age who have had training as civilian pilots and who have been ineligible for aviation cadet training may qualify as glider pilots under the Air Forces program.

Glider pilot candidates will first receive instruction on light airplanes and then will go into small gliders and later larger types of gliders. The light airplane instruction is to be given by Civil Pilot Training Program schools of the Civil Aeronautics Authority. A number of these schools have been selected in the Middle West. Glider instruction will be given at additional Army glider schools.

A feature of the light airplane instruction program will be that all landings will be "dead stick" landings, with power off. In this respect, the landings will simulate those made in gliders. Students will make dead stick landings from various altitudes and angles until they attain maximum efficiency in precision, power-off landings. This will prepare them for one of the more difficult features of the glider training to follow.

Officials of the light plane schools participating in the program have just completed a conference in Washington with the Army Air Forces and are on the way to their bases to inaugurate training operations at once.

Applicants must pass the physical examination prescribed for aviation cadet applicants with a rating of Class 2 or better. Vision must be at least

Aeronautics Authority Private Airman certificate or higher. The certificate must not have lapsed prior to January 1, 1941. The applicant, however, may also be considered qualified by submitting evidence that he has participated in at least 200 glider flights.

If the applicant is a civilian, he must pass the Army general classification test and obtain a score of 110 or better. Civilian applicants will be enlisted in the Army Air Forces enlisted reserve and assigned to the training course. Men in the military service who have not taken the classification test will be required to do so. Officers also are eligible, without classification test, but must conform to requirements regarding private pilot certificate, as above.

Students who complete the glider course will be promoted to grade of staff sergeant and given the rating of glider pilot and assigned to active duty. They will be given flight pay. Noncommissioned officers taking training who are in the first three noncommissioned grades will be given rating of glider pilot, also flight pay. Officers who complete the course are rated glider pilots and are also given flying pay.

After a refresher course in light airplanes, candidates for the new training will receive instruction in both small and large gliders.

The preliminary light airplane instruction, it was pointed out, will not be a flying training course for beginners, but will serve as a "refresher" course for pilots already holding certificates but who have not kept up their flying recently, and will serve as a precision landing course for all students.

END

- 2 -

DISTRIBUTION: Aa, Af, Da, Dg, Dm, E, Ea, J, M, N.

11:00 A.M.

50

CLASS OF

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SYMBOLS

DL=Day Letter
NT=Overnight Telegram
LC=Deferred Cable
NLT=Cable Night Letter
Ship Radiogram

R. B. WHITE
PRESIDENTNEWCOMB CARLTON
CHAIRMAN OF THE BOARDJ. C. WILLEVER
FIRST VICE-PRESIDENT

OF SERVICE
is a full-rate
in or Cable-
less its de-
character is in-
by a suitable
above or pre-
the address.

Time shown in the date line on telegrams and day letters is STANDARD TIME at point of origin. Time of receipt is STANDARD TIME at point of destination

MP24 234 GOVT NT 1 EXTRA 1/140=WASHINGTON DC MAY 16

DEAN J J WEISMANN=

1942 MAY 17 AM 10 02.

COORDINATOR CIVILIAN PILOT TRAINING STCLOUD

STATE TEACHERS COLLEGE=

THE ARMY AIR FORCES HAVE REQUESTED CIVILIAN PILOT TRAINING
FURNISH UNTIL FURTHER NOTICE A WEEKLY QUOTA OF
VOLUNTEERS FOR IMMEDIATE TRAINING AS ARMY GLIDER PILOTS.
IT IS IMPERATIVE THAT CPT FULLY MEET EACH WEEKLY QUOTA.
THE SUBALLOTMENT FOR EACH CAA REGION IS 100 WEEKLY
STARTING IMMEDIATELY IT IS DESIRED YOU IMMEDIATELY
CANVASS ELIGIBLE TRAINEES WITHIN YOUR AREA IN THIS
RECRUITMENT FROM THOSE EITHER ALREADY ENLISTED AS
RESERVISTS OR WHO ARE ELIGIBLE TO ENLIST AS RESERVISTS.
VOLUNTEERS FOR ARMY GLIDER TRAINING MUST HAVE SUCCESSFULLY
COMPLETED AT LEAST THE ELEMENTARY CPT COURSE DIRECT EACH
QUALIFIED VOLUNTEER TO THE NEAREST ARMY RECRUITING OFFICE
FURNISHING HIM WITH CERTIFIED EVIDENCE SIGNED BY A CAA
DISTRICT OR REGIONAL FLIGHT INSPECTOR OR FLIGHT SUPERVISOR
CERTIFYING THAT THE APPLICANT IS PROFESSIONALLY QUALIFIED
AND NOW MEETS THE PHYSICAL REQUIREMENTS FOR COMMERCIAL CPT.
ARMY RECRUITING SERVICE WILL ACCEPT SUCH=

57

SUMMARY REPORT OF THE C A A SCREENING TESTS

Coordinator:

Date

Report No.

John J. Weismann
Coordinator Civilian Pilot Training
State Teachers College
St. Cloud, Minnesota
#2871

July 18, 1942

3

PASSERS

FAILERS

	Name	Number	Name
5	Green, Charles Joseph	34095	Kalscheuer, Dick J.
7	Erickson, Chester Wallace	34099	Barrett, Richard Staniforth
3	Scherling, Holger Michial		
9	Kerr, Harald Lincoln		
0	Rutherford, Larry Arthur		
1	Bishop, Hartley Everett		
2	LaMuth, Edward Frank		
3	Martin, Edward Russell		
4	Bretz, Edwin Michael		
5	Keith, Arthur Leslie		
7	Pladsen, Luverne Harry		
8	Conner, Charles Alan		
0	Hoover, Charles Joseph		

Jack W. Dunlap.

DEPARTMENT OF COMMERCE
CIVIL AERONAUTICS ADMINISTRATION
WASHINGTON

CHECK PHASE:

- ☒ Full Time.
☐ Extra Curricular.

CHECK COURSE:

- ☒ Elementary. ☐ Link Instrument.
☐ Liaison Pilot. ☐ Elementary Instructor.
☐ Secondary. ☐ Secondary Instructor.
☐ Cross Country. ☐ Flight Officer.

GROUND SCHOOL RECORD

Date Jan. 14, 1943

Institution State Teachers College

Student Kenneth Lowell Fredine

City and State St. Cloud, Minnesota

Flight Contractor Van's Air Service

SUBJECT	DATE COMMENCED	HOURS REQUIRED	HOURS PRESENT	COURSE GRADE	C. A. A. EXAMINATION GRADE	INSTRUCTOR	REMARKS
1. Math.	11-14-42	26	26	97	100	C. O. Bemis	
2. Physics	11-14-42	20	20	88	100	Francis Cooke	
3. C.A.R.	11-14-42	20	20		97	P.C. VanSteinburg	
4. Nav.	11-14-42	36	36		97	James Hills	
5. Gen. Serv. Air.	11-16-42	10	10		100	P.C. VanSteinburg	
6. Code	11-14-42	22	22			M. B. Millett	A 6
7. Mil. & Phys. Tr.	11-16-42	58	58	90		M. B. Millett	
8. Airc. Ident.	12-1-42	12	12	82		John J. Weismann	
9. Mil. Sc. & Disc.	11-17-42	12	12	90		Robert Zierden	
10. Met.	12-1-42	24	24		100	James Hills	
TOTALS AND FINAL AVERAGES...		Total 240	Total 240	Average 89	Average 99		

Final remarks:

I HEREBY CERTIFY, That the instruction has been received by me as indicated above.

Kenneth Lowell Fredine
(Student's signature)

I HEREBY CERTIFY, That the instruction has been given as indicated above.

John J. Weismann
Ground Instruction Contractor Representative.
M. N. Sullivan
C. A. A. Representative.

ROUTING.—Original to Department of Commerce, Civil Aeronautics Administration, Attention: Civilian Pilot Training, Washington, D. C.; one copy to flight contractor; one copy to ground instruction contractor.

In executing this form, please fill in the appropriate subjects in the "Subject" column as listed below for the course indicated in the upper right-hand corner. For your convenience the abbreviations may be used.

ELEMENTARY COURSE, FULL-TIME PHASE

1. Mathematics..... (Math.)
2. Physics..... (Physics)
3. Civil Air Regulations..... (C. A. R.)
4. Navigation..... (Nav.)
5. General Servicing and Operation of Aircraft..... (Gen. Serv. Air.)
6. Code..... (Code)
7. Military and Physical Training..... (Mil. and Phys. Tr.)
8. Aircraft Identification..... (Airc. Ident.)
9. Military Science and Discipline..... (Mil. Sc. and Disc.)
10. Meteorology..... (Met.)

ELEMENTARY COURSE, EXTRA-CURRICULAR PHASE

1. Civil Air Regulations..... (C. A. R.)
2. Meteorology..... (Met.)
3. Aerial Navigation..... (Aer. Nav.)
4. General Servicing and Operation of Aircraft..... (Gen. Serv. Air.)

SECONDARY COURSE, FULL-TIME PHASE

1. Navigation..... (Nav.)
2. Code..... (Code)
3. Military and Physical Training..... (Mil. and Phys. Tr.)
4. Aircraft Identification..... (Airc. Ident.)
5. Military Science and Discipline..... (Mil. Sc. and Disc.)
6. Meteorology..... (Met.)
7. Theory of Flight and Aircraft..... (Th. Flt. and Airc.)
8. Aircraft Engine Operation..... (Airc. Eng. Op.)

SECONDARY COURSE, EXTRA-CURRICULAR PHASE

1. Aircraft (Aerodynamics and Structures), Instruments and Parachutes... (Aircraft)
2. Aerial Navigation..... (Aer. Nav.)
3. Radio Instruction (Code)..... (Radio)
4. Powerplants (Engines, Propellers and Accessories)..... (Pwrplnts.)

LIAISON-PILOT COURSE

1. Mathematics..... (Math.)
2. Physics..... (Physics)
3. Civil Air Regulations..... (C. A. R.)
4. Navigation..... (Nav.)
5. General Servicing and Operation of Aircraft..... (Gen. Serv. Air.)
6. Code..... (Code)
7. Military and Physical Training..... (Mil. and Phys. Tr.)
8. Aircraft Identification..... (Airc. Ident.)
9. Military Science and Discipline..... (Mil. Sc. and Disc.)
10. Meteorology..... (Met.)

CROSS-COUNTRY COURSE

1. Powerplant Operation and Flight and Engine Instrument Analysis..... (Pwrplnt Op. and Flt. and Eng. Instr. An.)
2. Applied Meteorology..... (App. Met.)
3. Applied Aerial Navigation..... (App. Aer. Nav.)

LINK-INSTRUMENT COURSE

1. Instruments (limits—operation)..... (Instruments)
2. Applied Meteorology..... (App. Met.)
3. Use of Computer..... (Computer)
4. Civil Air Regulations (Instrument)..... (C. A. R.)
5. Radio (Orientation Procedures)..... (Radio)

ELEMENTARY AND SECONDARY INSTRUCTOR COURSES

1. Civil Air Regulations..... (C. A. R.)
2. Powerplants..... (Pwrplnts.)
3. Aircraft (Aerodynamics and Structures)..... (Aircraft)
4. Meteorology..... (Met.)
5. Aerial Navigation..... (Aer. Nav.)
6. Flight Instruction Methods..... (Flt. Instruction Meth.)

SUMMARY REPORT OF THE C A A SCREENING TESTS

Coordinator:

Dr. John J. Weisman
Coordinator Civilian Pilot Training
State Teachers College
St. Cloud, Minnesota
#2871

Date

August 7, 1942

Report No.

4

PASSERS**Name****Number**

Pennington, Clarence Ray
✓ Hinz, John Quintin
✓ Roderick, James Edwin
Heinmiller, Kenneth Harold *Nov*
Parker, John Henry
Cashman, Edward Jeremiah
Busch, Gerard Charles
Wocken, Werner J. *(Nov or later)*
Grinley, Anton Kermit
Wightman, Doxon Bryed
Fredine, Kenneth Lowell
Hetman, Frank
Lattin, Marlyn Russell
Dupen, Delbert Richard
Shold, Lloyd Vincent
Edwards, William Harry
McCall, Sylvester Riely
Grundman, Frank H
Wilson, Richard Perry
Yarish, William *Inducted*
Wilson, Douglas Eugene
Hoffman, George W.

FAILERS**Name**

Cramer, George Lynn
Mueller, Clarence Albert
Lippsmeyer, Anthony Henry
Rivers, Bernard Clarence
Dickinson, Richard Anthony
Fischer, Fred Amos
Bekken, Malcolm Edward

Jackie Dwyer

SUMMARY REPORT OF THE C A A SCREENING TESTS

Coordinator:

Date

Report No.

J. Weismann

September 27, 1942

5

Coordinator Civilian Pilot Training

Cloud Teachers College

Cloud, Minnesota

2871

PASSERS

FAILURES

Name

Number

Name

Stockinger, Edward Leo

69542

Fish, Donald Lee

M. J. Wantman

RMH

FUNDS RECEIVED AND CREDITED TO ARMY C.P.T.

DATE	ITEM	AMOUNT
8/14/42	Supt. of Documents	.10
8/19/42	W. P. Hirschfield	25.05
10/14/42	U.S. Treasury	1.20
10/21/42	Supt. of Documents	.10
10/29/42	U.S. Treasury	5,279.00
10/30/42	U.S. Treasury	693.00
11/6/42	U.S. Treasury	643.00
11/6/43	U.S. Treasury	2,180.00
11/27/42	Supt. of Documents	.15
11/30/43	U.S. Treasury	1,400.00
12/3/42	U.S. Treasury	54.60
12/3/42	U.S. Treasury	12.50
12/5/42	U.S. Treasury	261.80
1/4/43	U.S. Treasury	74.31
1/5/43	"	138.35
1/7/43	"	4,360.00
2/1/43	"	400.00
2/1/43	"	1,344.00
2/13/43	Supt. of Documents	15.00
2/16/43	U.S. Treasury	95.06
2/22/43	"	14.60
3/8/43	Farmers Mutual Auto Ins. Co.	84.04
3/8/43	U.S. Treasury	3,192.00
3/26/43	"	2,774.00
3/26/43	University of Minnesota	2,931.14
4/5/43	U.S. Treasury	497.50
4/5/43	U.S. Treasury	3,360.00
4/5/43	U.S. Treasury	96.48
	Total	\$29,926.98

Balance of \$2535.65 in old C.A.A. account was credited to State Funds

2/1/43

Budget Estimate for Full-
Time Army Elementary Aeronautics Training Class 43E
(Ten Trainees)

St. Cloud State Teachers College
St. Cloud, Minnesota

Personal Services

Permanent	863.33	
Temporary	<u>73.00</u>	
Total		936.33

Other Services

Communication	15.00	
Travel and transportation	35.00	
Electricity, gas, and water	50.00	
Meals	650.00	
Care of vehicles	50.00	
Medical examinations	60.00	
Cleaning and laundry	30.00	
Insurance	<u>109.00</u>	
Total		999.00

Materials and Supplies

Stationery and office supplies	10.00	
Printing	5.00	
Educational & scientific supplies	70.00	
Maintenance materials	<u>5.00</u>	
Total		<u>90.00</u>

GRAND TOTAL

2025.33

John J. Weismann
Coordinator

Personal Services

Permanent

C. O. Bemis	90.00	
Lieut. Robert Zierden	20.00	
John J. Weismann	373.33	
C. F. Cook	75.00	
Lieut. Beryl Millett	85.00	
P. C. VanSteinburg	65.00	
James Hills	72.00	
Imogene Bretz	<u>83.00</u>	
Total		863.33

Temporary

Charles Muth	10.00	
Lawrence Hoyt	25.00	
George Chamberlain	<u>38.00</u>	
Total		<u>73.00</u>

GRAND TOTAL

936.33

Financial Statement

CAA WAR TRAINING SERVICE

July 7, 1942 to April 15, 1943

INCOME

Income Received	\$29926.98	
Income Receivable	<u>6629.35</u>	
Total Income		\$36556.33

EXPENDITURES

Transportation	771.76	
Fuel, Gas, Light, Water	916.03	
Physical Examinations	434.00	
Communication	158.26	
Advertising	56.88	
Instruction, Testing, and Labor	4209.08	
Staff Salaries	3010.01	
Furniture, Bedding, Equipment, and Supplies	2163.55	
Educational Equipment and Supplies	1709.44	
Meals and Rooms	8527.04	
Plumbing and Other Repairs	285.71	
Laundry and Cleaning	200.41	
Insurance	1248.88	
Office Supplies	75.34	
Moving Furniture	75.85	
Miscellaneous	<u>78.44</u>	
Total Expenditures		<u>23920.68</u>

BALANCE

\$12635.65

John J. Weismann
Coordinator

Inventory
CAA WAR TRAINING SERVICE
April 15, 1943

<u>Number</u>	<u>Article</u>	<u>Cost</u>
<u>Equipment, and Supplies</u>		
	Ford Stationwagon	\$850.00
	Buick Seven Passenger Car	400.00
	Blankets at \$5.50	440.00
doz.	Sheets at \$13.80 doz.	151.80
doz.	Pillow cases at \$3.60 doz.	19.80
	Mattresses at \$8.95	89.50
	Pillows at \$.98	25.48
	Dressers, oak at \$16.50	198.00
	Tables, oak at \$12.00	120.00
	Chairs, oak at \$3.25	39.00
	Mirrors at \$2.00	16.00
	Snow Shovel	1.35
	Gas Water Heater	94.50
	Book Case	8.50
	Tablet Arm Chairs	96.00
	Circulating Heater	40.00
Total		2589.93

<u>Additional Supplies</u>		
	Physics Laboratory Equipment	\$1248.12
	Drill Press (Industrial Arts and Physics)	57.90
	Dalton Mark VII Computers	150.00
set	Aircraft Flash Cards	10.00
set	Aircraft Slides	35.00
volumes	Altitude and Azimuth Tables	19.30
	Model airplane	50.00
	T.M. 1-233 Physics at \$.15	4.50
	T.M. 1-900 Math	3.60
	Air News Yearbook	2.90
	A Pilot's Meteorology	5.27
	Men and Wings at \$.50	5.00
	Flying Tigers	2.50
	Wings of Offense	2.50
	Army Flyer	3.00
	What the Citizen Should Know About the Navy	5.00
Total		1604.59

GRAND TOTAL

\$4194.52



Department of Commerce
Civil Aeronautics Administration

This Is To Certify: That Woodrow William Kieth
has satisfactorily completed the Civilian Pilot Training Controlled
Secondary Course

GROUND SCHOOL AT St. Cloud State Teachers College

Aircraft (aerodynamics and structures)
Powerplants (engines, propellers, and accessories)
Aerial navigation (dead reckoning, radio, celestial)

Instruments
Parachutes
Radio code

FLIGHT TRAINING AT Van's Air Service

Taxiing
Take-offs
Landings
Forced landings
Precision landings

Figure eights
Steep power turns
Chandelles
Lazy eights
Wingovers

Pylon eights
Advanced stalls
Falling leaf
Spins (precision)
Loops
Cross country

Snap rolls
Split S
Cuban eights
Immelmann
Vertical reverse

Slow rolls
Power approaches
Power landings
Dragging field
Slips

Issued this Nineteenth day of December, 1941

Approved:

Robert H. Nimsen

John I. Heismann

sik

Fall

EC-FT-42 #1
(Rev. 9-1-42)

DEPARTMENT OF COMMERCE
CIVIL AERONAUTICS ADMINISTRATION
Civilian Pilot Training
Washington

Civilian Pilot Training Program

Outline For

CONTROLLED ELEMENTARY GROUND SCHOOL COURSE
FULL TIME PHASE

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GENERAL INFORMATION AND OUTLINE OF GROUND SCHOOL COURSE
CONTROLLED ELEMENTARY

SCOPE: The Elementary Course (ground school and flight) will be conducted on a full-time basis. The ground school course will consist of a total of 240 hours of classroom and laboratory instruction, as follows:

	<u>Hours</u>
01. Mathematics	36
02. Physics	30
03. Civil Air Regulations	16
04. Navigation.	36
05. General Servicing and Operation of Aircraft . .	10
06. Code.	20
07. Military and Physical Training.	48
08. Aircraft Identification	12
09. Military Science and Discipline	8
10. Meteorology	<u>24</u>
Total	240

EXAMINATIONS: The purpose of ground school training is to give the trainee a working knowledge of each subject. Examinations are to determine that he is absorbing the material being studied. Therefore, each trainee will be given written examinations by the ground school contractor as specified in the detailed breakdown of ground school subjects. Final written examinations as directed by the Administrator will be given at the completion of the course. All examinations will be subject to review by the Administrator in order to determine that satisfactory standards are being maintained.

NOTEBOOKS

Each trainee will be required to maintain a notebook containing material on each subject as directed by the instructor. No subject will be considered complete until the notebook has been submitted and graded by the instructor. The notebook grade will count as 1/3 in determining the course grade. The final examination on each subject given by the instructor, but not the CAA final examination, will count as 2/3 the course grade. The contractor will not recommend any trainee for the final CAA examination whose course grade is less than the established passing grade of the institution offering the course. The notebooks will be subject to review by the District Ground School Supervisor throughout the course.

GENERAL OBJECTIVES OF GROUND SCHOOL COURSE:

To prepare trainees both mentally and physically for intensive pilot training in more advanced flight courses and to develop proficiency in technique such as required in conjunction with elementary flight training.

1. Academic preparation will include the presentation of the above subjects so that the trainee upon satisfactory completion will be qualified for further advanced training.
2. Military training will include instruction in infantry drill, basic military indoctrination, military customs and regulations, and the need for strict compliance with instructions.
3. Physical training will be given in order to prepare trainees to absorb future intensive training without undue fatigue or ill effects and to maintain and improve physical and mental alertness.

CONTROLLED ELEMENTARY GROUND SCHOOL COURSE

The Ground School Course is divided into two sections, the sequence of which will permit a logical development of the trainees in the subjects taught. Code is to be given throughout the course, not to exceed 30 minutes per period. Mathematics and Physics are to be taught in Sections One and Two to prepare the trainees to better absorb instruction given in the subjects of Navigation and Meteorology. Ceremonies are to be held every Saturday morning.

SECTION ONE

	<u>Hours</u>
101. Mathematics	24
102. Physics	24
103. Civil Air Regulations	16
104. Navigation (Maps and Charts)	12
105. General Servicing and Operation of Aircraft	10
106. Code	10
107. Military and Physical training as follows:	
(a) Infantry Drill	8
(b) Ceremonies	4
(c) Athletics	<u>12</u>
Total	120

SECTION TWO

	<u>Hours</u>
201. Mathematics	12
202. Physics	6
204. Navigation	24
206. Code	10
207. Military and Physical training as follows:	
(a) Infantry Drill	8
(b) Ceremonies	4
(c) Athletics	<u>12</u>
208. Aircraft Identification	12
209. Military Science and Discipline	8
210. Meteorology	<u>24</u>
Total	120

TEXTBOOKS AND REFERENCES

Each trainee will be furnished by the Civil Aeronautics Administration the necessary Civil Aeronautics Bulletins for the course covering aviation subjects. Such War Department publications as are available will be furnished by the Civil Aeronautics Administration in the amount of one each per contractor to be used by the instructors in all subjects to which they apply. The contractor will select and furnish the textbooks required for the satisfactory teaching of the subjects Mathematics and Physics. Problems, assignments and outlines should be prepared and furnished to each trainee by the contractor as needed. The ground instruction contractor will furnish each trainee with the necessary Sectional and Regional Aeronautical Charts which may be purchased from a flight contractor who shall serve as an authorized agent for handling and issuing restricted charts and publications and shall be responsible that this material is issued only to persons of undoubted loyalty and discretion who are cooperating in government work.

RECOMMENDED BREAKDOWN OF GROUND SCHOOL SUBJECTS
BY HOURS
SECTION ONE

101. Mathematics 24 hours

Purpose: To review and teach arithmetic and simple algebra needed in future aviation subjects.

Texts
Any standard texts to be furnished by Ground Instruction Contractor

1st -

3rd hour: Review addition, subtraction, multiplication and division of fractions and decimals; drill for speed and accuracy.

4th -

5th hour: Ratio and proportion including decimal numbers; drill for speed and accuracy.

Reference
TM 1-900

6th hour: Examination covering arithmetic; review of examination.

7th hour: Algebraic addition and subtraction. Drill for speed and accuracy.

8th -

9th hour: Algebraic multiplication and division.

10th -

12th hour: Simple linear equations.

13th -

15th hour: Formulas, solutions by substitution.

NOTE: Practical problems 1st to 15th hour to emphasize time and time zones, and distance = rate x time.

16th -

17th hour: Graphs; construction of simple graphs (e.g. temperature-altitude) and interpretation of graphs found in TM's (e.g. diurnal variation of atmospheric pressure).

18th hour: Examination covering algebra and graphs; review.

19th hour: Units of measurement and dimensional relations; conversion.

20th hour: Scales; use of different scales in drawing and interpreting maps and charts.

21st -

22nd hour: Exercises in scale drawings; conversions of scales.

23rd hour: Angular measurements by degrees; positive and negative angles, addition and subtraction of angles.

24th hour: Examination covering units and scales; review of examination.

102. Physics 24 hours

Purpose: To teach the fundamentals of physics as a preparation for Meteorology, Theory of Flight, and Engine Operation.

Texts
Any standard texts to be furnished by Ground Instruction Contractor

1st hour: Introduction--Science, Physics and Meteorology. Definitions, importance of weather to pilot, purpose. The atmosphere, definition, composition, structure, temperature, pressure, density, variation with altitude, phenomena, and function.

Reference
TM 1-233

2nd hour: Units of measure, necessity for, fundamental units, derived units, systems of units.

- 3rd hour: Work period, problems and demonstrations.
- 4th -
- 5th hour: Balanced forces, scalar and vector quantities, definitions, compositions, resolutions, balance.
- 6th -
- 7th hour: Accelerated motion. Laws of motion, constant acceleration. Momentum and impulse. Curvilinear motion, centrifugal force.
- 8th hour: Work period, problems and demonstrations.
- 9th hour: Fluids at rest, properties, pressure distribution, buoyancy.
- 10th hour: Atmospheric pressure, maps, and isobars, barometers.
- 11th -
- 12th hour: Work and energy, definitions, types. Friction. Viscosity.
- 13th hour: Work period, problems and demonstration.
- 14th hour: Examination.
- 15th hour: Review of examination.
- 16th -
- 17th hour: Fluids in motion, velocity and energy. Bernoulli's principle, applications.
- 18th -
- 19th hour: Temperature and heat, definitions, thermometers and scales, heat measurement, calories, specific heat.
- 20th hour: Work period, problems and demonstrations.
- 21st hour: Heating of the atmosphere. Heat transmission methods. Heat balance. Daily variation.
- 22nd -
- 23rd hour: Properties of gases. Kinetic theory. Gas laws. Isothermal and adiabatic processes.
- 24th hour: Work period, problems and demonstrations.

Continued
8 11

103. Civil Air Regulations 16 hours

- Purpose: 1. To teach the trainee how strict observance of air traffic regulations will lead to more safe and efficient flight.
2. To stress contact flight and instrument flight rules and to explain the importance of traffic patterns.

Texts

<u>1st hour:</u>	Introduction--Civil Aeronautics Act of 1938. Need for regulation. Methods of increasing safety.	C.A.B. #22
<u>2nd hour:</u>	Specially designated areas.	C.A.B. #22
<u>3rd hour:</u>	Pilot regulations, certificates, ratings, and requirements.	C.A.B. #22 C.A.R. Part 20
<u>4th hour:</u>	Airman Rating Records and Airman Identification Cards. Issuance, duration and validity of pilot certificates.	C.A.R. Part 20 and Amendments
<u>5th hour:</u>	Importance of observing Air Traffic Rules especially regarding instrument flight.	C.A.R. Part 60 C.A.R. Manual 60 C.A.B. #29 (amendments to above publications)
6th -		
<u>7th hour:</u>	Flight rules. Contact procedure for taking off and landing; right-of-way; acrobatic flight rules; parachutes.	C.A.R. Part 60
<u>8th hour:</u>	Rules regarding traffic patterns.	
9th -		
<u>10th hour:</u>	Instrument flight rules; flight plans.	C.A.R. Part 60
<u>11th hour:</u>	Light and signal rules; specially designated areas; control zones of intersection; control airports and control zones; danger zones.	C.A.R. Part 60 C.A.R. Manual 60
<u>12th hour:</u>	Weather minimums; contact and instrument flight.	C.A.R. Part 60
<u>13th hour:</u>	Procedures and phraseologies for airport traffic control.	C.A.B. #29
<u>14th hour:</u>	Discuss any new amendments, including local regulations and field rules.	

15th hour: Examination.

16th hour: Review of examination.

104. Navigation 12 hours

Purpose: To familiarize trainees with use of maps, charts,
and aerial photographs.

Maps, Charts, and Aerial Photos.

Texts

1st -

2nd hour: Introduction to Maps and Charts

- a. Definitions.
- b. How the more popular maps and charts are projected.
- c. Why there must be distortion.
- d. Selection of maps by characteristics of projections.

FM 21-25
C.A.B. #24

3rd hour: Latitude and longitude:

- a. Definition of each and how used.
- b. Location of points by coordinates.
- c. Reference lines (i.e., latitude to equator and longitude to Greenwich).

C.A.B. #24
FM 21-25
TM 1-205

4th hour: Mercator projections:

- a. Importance of Mercator projection.
- b. Explanation of construction.
- c. Characteristics of Mercator projection (appearance; angles, meridians, parallels, etc.)

C.A.B. #24
TM 1-205
Par. 121-122

5th -

6th hour: Conic projections:

- a. Lambert-Conformal
- b. Characteristics of, use
- c. Display and explanation of sectional, regional, R.D.F., and planning charts.
- d. Conversion of nautical and statute miles.

C.A.B. #24
TM 1-205
Par. 124-125

7th hour: Scales

- a. Definition of large and small scale.
- b. Selection of maps with proper scale.
- c. Caution in measuring distance.

C.A.B. #24

8th hour: Chart Symbols:

- a. Map reading.
- b. Chart symbols.
- c. Location of objects and terrain features on maps and charts.

<u>hour:</u> Military Symbols	<u>Texts</u> FM 21-25
<u>hour:</u> Photographic Maps.	FM 21-25
a. Location of objectives in target area by photographs.	
b. Comparison of objects on photograph with their representation on map or chart.	
<u>hour:</u> Examination.	
<u>hour:</u> Review of examination.	
al Servicing and Operation of Aircraft	10 hours
urpose: To provide the trainee with sufficient knowledge and the necessary instructions as to its practical application to enable him to be a successful and safe pilot.	
<u>hour:</u> Items of precaution to be observed in servicing and operating aircraft.	<u>Texts</u> C.A.B. #23 C.A.B. #27 CPT Maintenance Bulletin Aircraft #7
<u>hour:</u> Inspections required, their purposes and important items.	C.A.B. #22 C.A.B. #23 Maintenance Bulletin Powerplant #5
<u>hour:</u> The purpose and meaning of operation limitations and Aircraft Operations Records. Minor and major aircraft repairs. Inspection and care of propellers.	C.A.B. #22 Form 309, Aircraft Operations Record C.A.B. #27 C.A.B. #23 TM 1-412
<u>hour:</u> Elementary Principles and Theory of Flight. Forces acting on an airplane in flight.	C.A.B. #23 Part One Chap. 1
<u>hour:</u> Stability - effects of improper balance on aircraft in flight--relation between air speed and rate of climb--landing speed--stalling speed.	C.A.B. #23 Part One Chap. 1

7th hour: Carburetor icing—causes and prevention.

Engine idling—use of throttle—
carburetor heat.

8th hour: Load factors—load factors in different
degrees of bank—relation between
increased load factors and wing loading—
relation between load factors and
stalling speed—gust loads—maximum safe
speed in rough air conditions.
Standard values used in computing
weights—gross weight—empty weight—
useful load—pay load.

9th hour: Examination.

10th hour: Review.

106. Code. 10 hours

Purpose: To develop reception practice only.

1st—

10th hour: Suggested time spent on code in Section One
approximately 30 minutes per day. It is
further suggested that trainees not be
taught the alphabet but be taught by sound
only.

107. Military and Physical Training. 24 hours

8 hours: Infantry Drill

4 hours: Ceremonies

NOTE: Ceremonies and Inspections are to be held
each Saturday morning.

12 hours: Athletics and Mass Calisthenics.

Supervised athletics and competitive
sports (except lacrosse, football, and
soccer). Rotation of trainees in sports
such as volley ball, softball, touch
football, boxing, wrestling, track, swim-
ming, and cross-country running is desir-
able. (One period daily excepting Saturdays
and Sundays should be devoted to supervised
physical exercise).

Texts

C.A.B. Safety
Bulletin,
Carburetor
Icing and
Prevention

C.A.B. #23
Part 5, Chap. 2

C.A.B. #23
Part 5, Chap. 1

C.A.R. Part 04.90

Texts

TM 11-454

Texts

FM 22-5

FM 21-20

SECTION TWO

Mathematics 12 hours

Texts

1st hour: Vectors; definition; distinction between scalar and vector quantities.

Any standard text to be furnished by Ground Instruction Contractor

2nd hour: Triangle of velocity problems; constructing diagrams.

3rd hour: Vectors: graphical solutions where wind vector, TC and air speed are known and heading and GS are determined.

Reference
TM 1-900

4th hour: Vectors: graphical solutions where wind vector, heading and air speed are known and TC and GS are determined.

5th hour: Fundamentals of the computer and drill on multiplication using computer.

Dalton Mark VII Computer to be furnished by Ground Instruction Contractor

6th hour: Computer drill on division.

7th hour: Computer drill on time--distance--miles per hour.

8th hour: Computer drill on air speed correction.

9th hour: Computer drill on altimeter correction.

10th hour: Computer drill on fuel consumption.

11th hour: Comprehensive examination.

12th hour: Review of examination.

Physics 6 hours

Texts

1st -

2nd hour: Moisture, physical states, transformation, energy relationships, effect of temperature, sublimation, super-cooling.

Any standard text to be furnished by Ground Instruction Contractor

3rd -

4th hour: Water in atmosphere. Properties of water vapor, definitions, measurement. Clouds. Precipitation.

Reference
TM 1-233

5th hour: Examination.

6th hour: Review of examination.

204. Navigation 24 hours

Purpose: To develop the theory and practice of piloting and dead reckoning navigation.

		<u>Texts</u> C.A.B. #23 TM 1-413
<u>1st hour:</u>	Air speed meter, description, purpose, and use; indicated and calibrated; calibration.	
<u>2nd hour:</u>	Altimeter; description, purpose, and use; indicated, calibrated, and true.	C.A.B. #23 Pgs. 68-69 C.A.B. #24 Pgs. 25-26
<u>3rd hour:</u>	Altimeter; methods of setting; interpretation of different settings.	TM 1-413
<u>4th hour:</u>	Principles of construction and operation of the magnetic compass; elementary theory of magnetism; how to read a compass card.	C.A.B. #23 Pgs. 75-77 C.A.B. #24 Pgs. 26-29
<u>5th hour:</u>	Compass errors; lubber line errors, variation and deviation; definition of isogonic and agonic lines.	TM 1-205
<u>6th hour:</u>	Correction of compass errors; explanation of the method of discovering lubber line error and a practical demonstration of method of compensation.	C.A.B. #24 TM 1-205
<u>7th hour:</u>	Review of Lambert-Conformal Conic projections; Mercator projection; practice measuring courses and distances on each.	C.A.B. #24
8th -		
<u>9th hour:</u>	Map reading; practice measuring courses and distances on different maps; recognition of symbols; emphasize visible features from various altitudes.	Sectional and Regional Aeronautical Charts to be furnished by Ground Instruction Contractor.
<u>10th hour:</u>	Plan triangular course.	Sectional Chart
<u>11th hour:</u>	Pilotage (simulated flight problems)	C.A.B. #24
<u>12th hour:</u>	Vector problems, definition of a vector; triangle of velocity problems; graphical solution where wind vector, heading, and air speed are known and true course and ground speed are determined; solution by computer.	C.A.B. #24

<u>13th hour:</u>	Vector problems; knowing any four elements, solution for remaining two; graphical and computer solutions.	<u>Texts</u> C.A.B. #24
<u>14th hour:</u>	Vector problems; double drift problems; review and practice.	TM 1-205 Par. 162
<u>15th hour:</u>	Introduction to dead reckoning; theory of dead reckoning navigation; time, speed, distance relation; the simple log; calculation of ETA as aid to map reading and pilotage.	C.A.B. #24
16th -		
<u>17th hour:</u>	Practical exercises in working problems of time, speed, distance, calculating ETA, simple dead reckoning, and keeping simple log.	C.A.B. #24
18th -		
<u>19th hour:</u>	Practice problems using computer. Stress accuracy.	
<u>20th hour:</u>	Simple radius of action. Solution using computer.	C.A.B. #24 Pgs. 85-88
21st -		
<u>22nd hour:</u>	Alternate airport. Problem graphic solution.	C.A.B. #24 Pgs. 88-91
<u>23rd hour:</u>	Examination.	
<u>24th hour:</u>	Review of examination.	

Code 10 hours

1st -		<u>Texts</u>
<u>10th hour:</u>	Aural reception practice only	TM 11-454

Military and Physical Training 24 hours

<u>8 hours:</u>	<u>Infantry Drill.</u>	<u>Texts</u> FM 22-5
<u>4 hours:</u>	<u>Ceremonies.</u>	

NOTE: Ceremonies and Inspections are to be held each Saturday morning.

5/4

12 hours: Athletics and Mass Calisthenics. Supervised athletics, and competitive sports (except lacrosse, football, and soccer). Rotation of trainees in sports such as volley ball, softball, touch football, boxing, wrestling, track, swimming, and cross-country running is desirable. (One period daily excepting Saturdays and Sundays should be devoted to supervised physical exercise).

Texts
FM 21-20

20

208. Aircraft Identification 12 hours

Purpose: Classification of types and discussion of identification methods; silhouette and model study and range estimation exercises.

	<u>Texts</u>
<u>1st hour:</u> Necessity for immediate and accurate identification and classification of aircraft types.	FM 30-30 FM 30-35 FM 30-38
<u>2nd hour:</u> Important performance data. Study of silhouettes and models. Necessity for remembering performance data. Importance of armor and armament.	Suggested references to be furnished by Ground Instruction Contractor: Jane's "All the World's Aircraft"
<u>3rd hour:</u> Range estimation. Important methods. Synthetic means of practice. Study of silhouettes and models.	Aerosphere Aircraft Yearbook
<u>4th hour:</u> Brief history of American type aircraft. Study of silhouettes and models.	
<u>5th hour:</u> Examination and review.	
<u>6th hour:</u> History of outstanding British types. Study of silhouettes and models. Training in range estimation.	
<u>7th hour:</u> History of outstanding German types.	
<u>8th hour:</u> Study of silhouettes and models. Training in range estimation.	
<u>9th hour:</u> History of outstanding Japanese types.	

10th hour: Study of silhouettes and models. Training in range estimation.

11th hour: Examination.

12th hour: Review.

209. Military Science and Discipline 8 hours

A. Safeguarding Military Information.

Purpose: To explain and to stress the importance of protection of documents.

Texts

1st hour: Importance, classification, leakages, examples - conduct of military personnel as prisoners.

AR 380-5
FM 24-5
Sec. 5
Chap. 2

B. War Department Publications.

2nd hour: Purpose and scope. Publishing authority and agency. Particular value, index and use, normal location of file - importance of latest changes for Army Regulations.

AAF Reg.
#5-1
AR 1-5
AR 1-6
AR 1-10
AR 1-15
FM 21-6
TO 00-5

C. Military Customs and Courtesies.

3rd hour: Importance of discipline and proper team work to military operations and organizations; importance of observance of customs and courtesies to maintenance of discipline and morale; conduct towards superiors, subordinates, and civilians; conduct in the mess; respect for flag and for uniform; pride in service.

FM 21-50
FM 21-100

4th hour: Conduct of officers; leadership and honor.

D. Chemical War Defense

Purpose: To discuss briefly the identification of chemical agents and to explain the use of protective equipment.

5th hour: Principal chemical agents, their action, their use. Texts
FM 21-40

6th hour: Identification, protection and protective equipment. Proper fitting of protective equipment; first aid for gas casualties.

E. Signal Communications.

7th hour: Lecture covering various means of communications. Stress visual means, including pyro, signal flags, and panels. FM 24-5
Chap. 6
Par. 1-5

8th hour: Examination and review.

210. Meteorology 24 hours

Purpose: To introduce to the trainee the use of weather maps and elementary principles of Meteorology essential to a pilot.

1st hour: The importance of weather to flying; safety in war time and peace time; weather service available to pilots; classification of weather reports. Texts
C.A.B. #25

CPT
Meteorology
Directive

2nd hour: Conditions of the sky.

3rd hour: Definitions of meteorological elements; pressure--how measured; types of barometer and application to the altimeter.

4th hour: Humidity; wind, ceiling; precipitation.

5th hour: Weather maps and meaning of weather map symbols.

6th hour: Continue study of weather map symbols.

7th hour: Decoding of teletype sequence reports.

8th hour: Distribution of oxygen with height in the atmosphere; temperature and pressure variation with height.

9th hour: Specific humidity; condensation; and heat energy in the atmosphere.

10th hour: Lapse rates; normal, dry adiabatic, and saturation adiabatic.

- 11th hour: Examination.
- 12th hour: Review of examination.
- 13th hour: Pressure gradient; centrifugal force, and circulation of the atmosphere in high and low pressure areas.
- 14th hour: Air masses.
- 15th hour: Modification of air masses.
- 16th hour: Fronts.
- 17th hour: Weather associated with warm and cold fronts.
- 18th hour: General and local circulation of the atmosphere.
- 19th hour: Fog and low stratus clouds.
- 20th hour: Thunderstorms.
- 21st hour: Icing conditions.
- 22nd hour: Weather map study.
- 23rd hour: Examination.
- 24th hour: Review of examination.

ARMY AND NAVY

JOINT RELEASE

The War Department today announced its Enlisted Reserve Corps plan for college students. In general it calls for the voluntary enlistment in the Army Enlisted Reserve Corps of a certain number of college students possessing superior qualification, such students to remain for the time being in an inactive status in order to continue their education.

Somewhat similar plans have already been announced by the Navy and the Army Air Forces. All of these plans have been adopted in the belief that further education for the purpose of acquiring special knowledge and of developing certain definite capacities for leadership will be of substantial value to the Army and Navy when the men thus enlisted are called to active duty.

The Army and Navy alike appreciate the spirit of patriotism and self-sacrifice which has led an increasing number of young men to forego, in whole or in part, a college education in order to be immediately available to the armed forces through enlistment. The Army and Navy recognize, however, that it is imperative to the success of the war effort that there continue to flow not merely into industry but also into the armed forces numbers of men having the requisite educational background for rapid assimilation into certain increasingly important and increasingly technical fields of industrial and military service.

In connection with this effort to create a reserve pool to provide the armed forces with a steady flow of educated personnel, the Secretary of War and the Secretary of the Navy desire to make their position clear with respect to this matter of continuance of college education. They are convinced that able-bodied young men must and will be controlled in their decisions solely by what appears to each to be his duty in helping to win this war. They are further satisfied that the colleges must and will be similarly guided in their action. Colleges have a definite educational function to perform in war as well as in peace but it is somewhat different.

The country can no longer afford to have young men proceed with their education at a moderate tempo. Extra curriculum activities not specifically directed toward physical or mental preparation for participation in the war effort can no longer be encouraged. In war times, recreation in college life must be limited to that necessary for a healthy and well-rounded existence. In other words, the colleges in war time must be places of intensive effort and accomplishment. For those colleges which are prepared to proceed with education along these lines, and for those young men who are prepared to enter or remain in college with these purposes and who have the qualities of mind and character to carry them out, the

A31759

Army and Navy urge the continuance of college education. The Army and Navy will enlist a substantial number of such men in the appropriate enlisted reserve corps, and under present conditions will leave them on an inactive status to continue their education, subject to immediate call of the Secretary of War or the Secretary of the Navy if for any reason this should thereafter be deemed necessary. Appropriate examinations will be given in the second year, and any men who do not meet the required educational standard, or who otherwise are not deemed to be carrying on their education with promise of developing capacities of leadership will be called to active duty at once.

Men who accept the opportunity of enlistment in the Army or Navy Reserve and who conscientiously devote their efforts in college in the manner indicated and those teachers in the colleges who are necessary for the education of these men may feel assured that they are doing the job their country wants them to do and are performing their full duty in the war effort.

/S/ FRANK KNOX

SUMMARY REPORT OF THE C A A SCREENING TESTS

Coordinator:

Date

Report No.

J. J. Weismann
Coordinator Civilian Pilot Training
Cloud Teachers College
Cloud, Minnesota
#2871

October 3, 1942

6

PASSERS

FAILERS

Number	Name	Number	Name
46	Neuman, Leroy Orville	69543	Fischer, Fred Amos
47	Paulson, Hilder Carl	69544	Knorr, Merlin Laurence
49	Volding, William Howard	69545	Tschida, Robert Joseph
52	Nelson, David Lee	69548	Nelson, Robert Donald
53	Harsdorf, Earl Gustav	69550	Witthans, Myron Charles
54	Edstrom, Ludwig, James	69551	Couture, Ralph Adolph
55	Pierson, James Homer	69558	Roesch, Lambert Patrick
56	Nelson, Robert Joseph	69560	Bjerkstrand, Harold Kristian
57	Bloomquist, Orville, Edward	69562	Englund, Marvin William
59	Currey, Wallace Homer	69566	Grunewald, Arthur
61	Chapman, Gordon H.	69567	Parker, LeRoy Earl
63	Miller, Harvey William	69569	Smith, Baird, Manchester
64	McCarthy, Keith Donald	69571	Lindquist, Carl Clifford
65	Johnson, George Russel	69576	Nortz, Donald Edward
68	Steidler, Earl Baltuff	69577	Nielsen, Knud Bulow
70	Robertson, Ralph Grover	69580	Hruby, Frank
72	Gates, Fred T.	69588	Carlson, Frank Leonard
73	Eggleston, George Edward	68589	Hawkinson, Robert Ellsworth
74	Berg, William Edward	70692	Dover, Philip Irving
75	Larsen, Raymond Stanley		
78	Farnam, Manley Warrne		
79	Lorenz, Robert Frank		
81	Peterson, Judson H.		
82	Beyer, Donald Paul		
83	Wicklund, Glenn Waldo		
84	Klotz, William Frederick		
85	Soper, Howard Eugene		
86	Hohman, Roland William		
87	Davidson, Warren Bennett		
90	Moran, Richard Joseph		

M. J. Wantman

BBH

SUMMARY REPORT OF THE C A A SCREENING TESTS

Coordinator:

Date -

Report No.

John Weissman
Coordinator Civilian Pilot Training
Cloud Teachers College
Cloud, Minnesota

December 11, 1942

7

PASSERS #2871

Region #3 Examination of December 7

FAILURES

per	Name
17	Miller, Peter T.
23	Podany, Samuel Jr.

Number

Name

NO FAILURES

m. j. Wantman

BBH



Department of Commerce
Civil Aeronautics Administration

This Is To Certify: That **Benny Bert Johnson**
has satisfactorily completed the Civilian Pilot Training Controlled

Secondary Course

GROUND SCHOOL AT St. Cloud State Teachers College

Aircraft (aerodynamics and structures)
Powerplants (engines, propellers, and accessories)
Aerial navigation (dead reckoning, radio, celestial)

Instruments
Parachutes
Radio code

FLIGHT TRAINING AT Van's Air Service

Taxiing
Take-offs
Landings
Forced landings
Precision landings

Figure eights
Steep power turns
Chandelles
Lazy eights
Wingovers

Pylon eights
Advanced stalls
Falling leaf
Spins (precision)
Loops
Cross country

Snap rolls
Split S
Cuban eights
Immelmann
Vertical reverse

Slow rolls
Power approaches
Power landings
Dragging field
Slips

Issued this Nineteenth *day of* December, 1941

Approved:

At test.

W. O. Nisi

CAA WAR TRAINING SERVICE

December 1, 1942 to February 11, 1943

Personal FUNDS RECEIVED AND CREDITED TO ARMY C.P.T.

DATE	ITEM	AMOUNT
8/14/42	Supt. of Documents	.10
8/19/42	W. P. Hirschfield	25.05
10/14/42	U.S. Treasury	1.20
10/21/42	Supt. of Documents	.10
10/29/42	U.S. Treasury	5,279.00
10/30/42	U.S. Treasury	693.00
11/6/42	U.S. Treasury	643.00
11/6/43	U.S. Treasury	2,180.00
11/27/42	Supt. of Documents	.15
11/30/43	U.S. Treasury	1,400.00
12/3/42	U.S. Treasury	54.60
12/3/42	U.S. Treasury	12.50
12/5/42	U.S. Treasury	261.80
1/4/43	U.S. Treasury	74.31
1/5/43	"	138.35
1/7/43	"	4,360.00
2/1/43	"	400.00
2/1/43	"	1,344.00
2/13/43	Supt. of Documents	15.00
2/16/43	U.S. Treasury	95.06
2/22/43	"	14.60
3/8/43	Farmers Mutual Auto Ins. Co.	84.04
3/8/43	U.S. Treasury	3,192.00
3/26/43	"	2,774.00
3/26/43	University of Minnesota	2,931.14
4/5/43	U.S. Treasury	497.50
4/5/43	U.S. Treasury	3,360.00
4/5/43	U.S. Treasury	96.48
	Total	\$29,926.98
	Maintenance Materials	1326.52
	Balance of \$2535.65 in old C.A.A. account was credited to State Funds	6.30
2/1/43		
	Grand Total	6799.31

CAA WAR TRAINING SERVICE

December 1, 1942 to February 1, 1943

Personal Services

Permanent	1693.00	
Temporary	<u>116.00</u>	
Total		1809.00

Other Services

Communication	27.02	
Travel	98.25	
Steam, Electricity, Gas & Water	48.70	
Subsistence	2681.70	
Care of Vehicles	78.67	
Medical Examinations	54.00	
Cleaning and Laundry	34.85	
Insurance	<u>464.00</u>	
Total		3487.19

Materials and Supplies

Stationery and Office Supplies	12.15	
Printing	7.50	
Educational Supplies & Scientific Sup	1301.27	
Maintenance Materials	<u>5.90</u>	
Total		1326.82
Miscellaneous		<u>176.30</u>

Grand Total 6799.31

PERSONAL SERVICES

December 1, 1942 to February 1, 1943

Permanent

Lieut. Robert Zierden	\$80.00
C. O. Bemis	90.00
J. J. Weismann	732.00
C. F. Cooke	160.00
Lieut. Byrl Millett	208.00
Rowland Anderson	75.00
P. G. VanSteinburg	155.00
Gerald Hartwick	105.00
James Hills	120.00
Imogene Bretz	68.00
Total	\$14276.12 \$1693.00

Net earnings for the period \$7476.81

Temporary

Lawrence Hoyt	\$40.00
Edward Tvrdik	391.00
Charles Muth	10.00
Waino Wirtanen	10.00
George Chamberlain	17.00
Total	116.00

Earned Income Grand Total \$31197.74 \$1809.00

Net earnings for the entire period \$12035.09

STATEMENT OF EXPENDITURES AND EARNINGS

December 1, 1942 to February 1, 1943

Expenditures \$6799.31

Earned Income

University Trainees 2828.12

Elementary 5822.50

Secondary 5626.00

Total \$14276.12

Net earnings for the period \$7476.81

STATEMENT OF EXPENDITURES AND EARNINGS

July 7, 1942 to February 1, 1943

Expenditures \$19162.65

This includes expenditures for permanent improvements such as furniture and fixtures, bedding, scientific materials, books and the purchase of a car.

Earned Income \$31197.74

Net earnings for the entire period \$12035.09

Financial Statement

CIA WAR TRAINING CENTER

July 7, 1942 to April 15, 1943

Income Received	\$29926.98
Income Receivable	<u>6622.35</u>
Total Income	\$36556.33

Transportation	771.76
Fuel, Gas, Light, Water	916.03
Physical Examinations	434.00
Communication	158.26
Advertising	56.88
Instruction, Testing, and Labor	4209.08
Staff Salaries	3010.01
Furniture, Bedding, Equipment, and Supplies	2163.55
Educational Equipment and Supplies	1709.44
Meals and Rooms	8527.04
Plumbing and Other Repairs	285.71
Laundry and Cleaning	200.41
Insurance	1248.88
Office Supplies	75.34
Moving Furniture	75.85
Miscellaneous	<u>78.44</u>
Total Expenditures	<u>23921.68</u>

BALANCE

\$12635.65

John J. Weismann
Coordinator

INVENTORY C.A.A. W.T.S.
April 1, 1943

<u>Number</u>	<u>Article</u>	<u>Cost</u>
<u>Furniture and Fixtures and Equipment</u>		
1	Ford Stationwagon	\$850.00
1	Buick Seven Passenger Car	400.00
80	Blankets at \$5.50	440.00
11 doz.	Sheets at \$13.80 doz.	151.80
5½ doz.	Pillow cases at \$3.60 doz.	19.80
10	Mattresses at \$8.95	89.50
26	Pillows at \$.98	25.48
12	Dressers, oak at \$16.50	198.00
10	Tables, oak at \$12.00	120.00
12	Chairs, oak at \$3.25	39.00
8	Mirrors at \$2.00	16.00
1	Snow Shovel	1.35
1	Gas Water Heater	94.50
1	Book Case	8.50
12	Tablet Arm Chairs	96.00
Total		<u>\$2549.93</u>

Educationl Supplies

	Physics Laboratory Equipment	\$1248.12
1	Drill Press (Industrial Arts and Physics)	57.90
20	Dalton Mark VII Computers	150.00
1 set	Aircraft Flash Cards	10.00
1 set	Aircraft Slides	35.00

Educational Supplies
Continued

9 volumes	Altitude and Azimuth Tables	\$19.30
1	Model Airplane	50.00
30	T.M. 1-233 Physics at \$.15	4.50
24	T.M. 1-900 Math	3.60
1	Air News Yearbook	2.90
3	A Pilot's Meteorology	5.27
10	Men and Wings at \$.50	5.00
1	Flying Tigers	2.50
1	Wings of Offense	2.50
1	Army Flyer	3.00
2	What the Citizen Should Know About the Navy	<u>5.00</u>
Total Educational Supplies		<u>\$1604.59</u>
		4154.52

EC-FT-42 #1
6-25-42

DEPARTMENT OF COMMERCE
CIVIL AERONAUTICS ADMINISTRATION
Civilian Pilot Training
Washington

Civilian Pilot Training Program

Outline For

CONTROLLED ELEMENTARY GROUND SCHOOL COURSE

FULL TIME PHASE

CONTENTS

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GENERAL INFORMATION AND OUTLINE OF GROUND SCHOOL COURSE
CONTROLLED ELEMENTARY

SCOPE: The Elementary Course (ground school and flight) will be conducted on a full-time basis and will be covered in a period of 8 weeks' time. The ground school course will consist of a total of 240 hours of classroom and laboratory instruction, as follows:

	<u>Hours</u>
01. Mathematics	26
02. Physics	20
03. Civil Air Regulations	20
04. Navigation	36
05. General Servicing and Operation of Aircraft . . .	10
06. Code	22
07. Military and Physical Training	58
08. Aircraft Identification	12
09. Military Science and Discipline	12
10. Meteorology	<u>24</u>
Total	240

EXAMINATIONS: The purpose of ground school training is to give the trainee a working knowledge of each subject. Examinations are to determine that he is absorbing the material being studied. Therefore, each trainee will be given written examinations by the ground school contractor as specified in the detailed breakdown of ground school subjects. Final written examinations as directed by the Administrator will be given at the completion of each course. All examinations will be subject to review by the Administrator in order to determine that satisfactory standards are being maintained.

NOTEBOOKS

Each trainee will be required to maintain a notebook containing material on each subject as directed by the instructor. No subject will be considered complete until the notebook has been submitted and graded by the instructor. The notebook grade will count as 1/3 in determining the course grade. The final examination on each subject given by the instructor, but not the CAA final examination, will count as 2/3 the course grade. The contractor will not recommend any trainee for the final CAA examination whose course grade is less than 70. The notebooks will be subject to review by the District Ground School Supervisor throughout the course.

GENERAL OBJECTIVES OF GROUND SCHOOL COURSE:

To prepare trainees both mentally and physically for intensive pilot training in more advanced flight courses and to develop proficiency in technique such as required in conjunction with elementary flight training.

1. Academic preparation will include the presentation of the above subjects so that the trainee upon satisfactory completion will be qualified for further advanced training.
2. Military training will include instruction in basic military indoctrination, military customs and regulations, and the need for strict compliance with instructions. Infantry drill to be included.
3. Physical training will be given in order to prepare trainees to absorb future intensive training without undue fatigue or ill effects and to maintain and improve physical and mental alertness.

CONTROLLED ELEMENTARY GROUND SCHOOL COURSE (total 8 weeks)

The Ground School Course is divided into two sections, the sequence of which will permit a logical development of the trainee in the subjects taught. Code is to be given throughout the eight weeks' course, not to exceed 30 minutes per period. Mathematics and Physics are to be taught in Section One to prepare the trainee to better absorb instruction given in the subsequent Section. Ceremonies are to be held every Saturday morning.

SECTION ONE (first 4 weeks)

	<u>Hours</u>
101. Mathematics	26
102. Physics	20
103. Civil Air Regulations	16
104. Navigation (Maps and Charts).	12
105. General Servicing and Operation of Aircraft . . .	6
106. Code.	10
107. Military and Physical training as follows:	
(a) Manual of Pistol	6
(b) Infantry Drill	8
(c) Ceremonies	4
(d) Athletics.	<u>12</u>
Total	120

SECTION TWO (second 4 weeks)

	<u>Hours</u>
203. Civil Air Regulations	4
204. Navigation.	24
205. General Servicing and Operation of Aircraft . . .	4
206. Code.	12
207. Military and Physical training as follows:	
(a) Interior Guard Duty.	4
(b) Infantry Drill	8
(c) Ceremonies	4
(d) Athletics.	12
208. Aircraft Identification	12
209. Military Science and Discipline	12
210. Meteorology	<u>24</u>
Total	120

TEXTBOOKS AND REFERENCES

Each trainee will be furnished by the Civil Aeronautics Administration the necessary Civil Aeronautics Bulletins for the course covering aviation subjects. Such War Department publications as are available will be furnished by the Civil Aeronautics Administration in the amount of one each per contractor to be used by the instructors in all subjects to which they apply. The contractor will select and furnish the textbooks required for the satisfactory teaching of the subjects Mathematics and Physics. Problems, assignments and outlines should be prepared and furnished to each trainee by the contractor as needed. The ground instruction contractor will furnish each trainee with the necessary Sectional and Regional Aeronautical Charts which may be purchased from a flight contractor who shall serve as an authorized agent for handling and issuing restricted charts and publications and shall be responsible that this material is issued only to persons of undoubted loyalty and discretion who are cooperating in government work.

RECOMMENDED BREAKDOWN OF GROUND SCHOOL SUBJECTS
BY HOURS
SECTION ONE

101. Mathematics 26 hours
- Texts
Any standard texts to be furnished Ground Instruction Contractor
- Purpose: To review and teach arithmetic and simple algebra needed in future aviation subjects.
- 1st hour: Review addition, subtraction, multiplication and division of fractions and decimals; Drill for speed and accuracy.
- 2nd hour: Review addition, subtraction, multiplication and division of fractions and decimals; Drill for speed and accuracy.
- 3rd hour: Ratio and Proportion including decimal numbers; Drill for speed and accuracy.
- 4th hour: Examination covering arithmetic; Review of examination.
- 5th hour: Algebraic addition and subtraction. Drill for speed and accuracy.
- 6th hour: Algebraic multiplication and division.
- 7th hour: Simple linear equations.
- 8th hour: Formulas; solutions by substitution.

NOTE: Practical problems 1st to 8th hour to emphasize time and time zones, and distance = rate x time.

- 9th hour: Graphs; Construction of simple graphs (e.g. Temperature-altitude) and interpretation of graphs found in TM's (e.g. diurnal variation of atmospheric pressure.)
- 10th hour: Examination covering algebra and graphs; Review.
- 11th hour: Units of measurement and dimensional relations; conversion.
- 12th hour: Scales; use of different scales in drawing and interpreting maps and charts.
- 13th hour: Exercises in scale drawings; conversions of scales.
- 14th hour: Angular measurements by degrees; positive and negative angles addition and subtraction of angles.
- 15th hour: Examination covering units and scales; Review of examination.
- 16th hour: Vectors; definition; distinction between scalar and vector quantities; triangle of velocity problems; constructing diagrams.
- 17th hour: Vectors: graphical solutions where wind vector, TC and airspeed are known and heading and GS are determined.
- 18th hour: Vectors: graphical solutions where wind vector, heading and airspeed are known and TC and GS are determined.
- 19th hour: Fundamentals of the computer and drill on multiplication using computer.
- 20th hour: Computer drill on division
- 21st hour: Computer drill on time--distance--Miles Per Hour.
- 22nd hour: Computer drill on airspeed correction

Texts

Dalton Mark VII
Computer
to be furnished
by Ground In-
struction Con-
tractor

23rd hour: Computer drill on altimeter correction.

24th hour: Computer drill on fuel consumption.

25th hour: Comprehensive examination.

26th hour: Review of examination.

102. Physics 20 hours

Purpose: To teach the fundamentals of physics as a preparation for Meteorology, Theory of Flight, and Engine Operation.

1st hour: Introduction--Science, Physics and Meteorology. Definitions, importance of weather to pilot, purpose. The atmosphere, definition, composition, structure, temperature, pressure, density, variation with altitude, phenomena, and function.

Texts
Any standard text to be furnished by Ground Instruction Contract

2nd hour: Units of measure, necessity for, fundamental units, derived units systems of units.

3rd hour: Work period, problems and demonstrations.

4th hour: Balanced forces, scalar and vector quantities, definitions, compositions, resolutions, balance.

5th hour: Accelerated motion. Laws of motion, constant acceleration. Momentum and impulse. Curvilinear motion, centrifugal force.

6th hour: Work period, problems and demonstrations.

7th hour: Fluids at rest, properties, pressure distribution bouyancy. Atmospheric pressure, maps, and isobars, barometers.

8th hour: Work and energy, definitions, types. Friction. Viscosity.

9th hour: Work period, problems and demonstration.

10th hour: Review and examination.

- 11th hour: Fluids in motion, velocity and energy.
Bernoulli principles, applications.
- 12th hour: Temperature and heat, definitions
thermometers and scales, heat measurement,
calories, specific heat.
- 13th hour: Work period, problems and demonstrations.
- 14th hour: Heating of the atmosphere. Heat
transmission methods. Heat balance.
Daily variation.
- 15th hour: Properties of gases. Kinetic theory.
Gas laws. Isothermal and adiabatic
processes.
- 16th hour: Work period, problems and demonstrations.
- 17th hour: Moisture, physical states, transformation,
energy relationships, effect of temperature,
sublimation, super-cooling.
- 18th hour: Water in atmosphere. Properties of
water vapor, definitions, measurement.
Clouds. Precipitation.
- 19th hour: Work period and review.
- 20th hour: Examination.

103. Civil Air Regulations 16 hours

- Purpose: 1. To teach the trainee how strict observance of
air traffic regulations will lead to more safe
and efficient flight.
2. To stress contact flight and instrument flight
rules and to explain the importance of traffic
patterns.

- | | <u>Texts</u> |
|--|-------------------------------|
| <u>1st hour:</u> Introduction--Civil Aeronautics Act
of 1938. Need for regulation. Methods
of increasing safety. | C.A.B. #22 |
| <u>2nd hour:</u> Specially designated areas. | C.A.B. #22 |
| <u>3rd hour:</u> Aircraft registration and certification.
Transfer of title. | C.A.B. #22
C.A.R. Part .01 |
| <u>4th hour:</u> Pilot regulations, certificates,
ratings, and requirements. | C.A.B. #22
C.A.R. Part 20 |

- 5th hour: Airman rating records and airman identification cards. Issuance, duration and validity of pilot certificates. C.A.R. Part and Amendments
- 6th hour: Definitions and penalties. C.A.B. #22
C.A.R. Part
Civil Aeronautics
of 1938 (see Titl
- 7th hour: Importance of observing Air Traffic Rules especially regarding instrument flight. C.A.R. Part
C.A.R. Manual
C.A.B. #29
(amendments to
above publicat
- 8th-
- 9th hour: Flight rules. Contact procedure for taking off and landing; right-of-way; acrobatic flight rules; parachutes. C.A.R. Part
- 10th hour: Rules regarding traffic patterns.
- 11th hour: Instrument Flight Rules; Flight Plans. C.A.R. Part
- 12th hour: Light and signal rules; Specially designated areas; control zones of intersection; control airports and control zones; danger zones. C.A.R. Part
C.A.R. Manual
- 13th hour: Weather minimums; contact and instrument flight. C.A.R. Part
- 14th hour: Procedures and Phraseologies for airport traffic control. C.A.B. #29
- 15th hour: Examination.
- 16th hour: Review of Examination.

104. Navigation 12 hours

Purpose: To familiarize trainees with use of maps, charts, and aerial photographs.

Maps, Charts, and Aerial Photos.

1st-

- 2nd hour: Introduction to Maps and Charts
a. Definitions.
b. How the more popular maps and charts are projected.

Texts

FM 21-25
C.A.B. #24

- c. Why there must be distortion.
- d. Selection of maps by characteristics of projections.

	<u>Texts</u>
<u>3rd hour:</u> Latitude and Longitude:	C.A.B. #24
a. Definition of each and how used.	FM 21-25
b. Location of points by coordinates.	TM 1-205
c. Reference lines; i.e., latitude to equator and longitude to Greenwich.	
<u>4th hour:</u> Mercator Projections:	C.A.B. #24
a. Importance of Mercator projection.	
b. Explanation of construction.	TM 1-205
c. Characteristics of Mercator projection (appearance, angles, meridians, parallels, etc.)	Par. 121-122
<u>5th-</u>	
<u>6th hour:</u> Conic Projections:	C.A.B. #24
a. Lambert-Conformal	
b. Characteristics of, use	TM 1-205
c. Display and explanation of sectional regional, R.D.F., and planning charts.	Par. 124-125
d. Nautical and statute miles-conversion.	
<u>7th hour:</u> Scales	C.A.B. #24
a. Definition of large and small scale.	
b. Selection of maps with proper scale.	
c. Caution in measuring distance.	
<u>8th hour:</u> Chart Symbols:	
a. Map reading.	
b. Chart symbols.	
c. Location of objects and terrain features on maps and charts.	
<u>9th hour:</u> Military Symbols	FM 21-25
<u>10th hour:</u> Photographic Maps.	FM 21-25
a. Location of objectives in target area by photographs.	
b. Comparison of objects on photograph with their representation on map or chart.	
<u>11th hour:</u> Examination.	
<u>12th hour:</u> Review of Examination.	

105. General Servicing and Operation of Aircraft 6 hours

Purpose: To provide the trainee with sufficient knowledge and the necessary instructions as to its practical application to enable him to be a successful and safe pilot.

1st hour: Items of precaution to be observed in servicing and operating aircraft.

Texts
C.A.B. #2
C.A.B. #2
CPT Maintenance
Bulletin
Aircraft #7

2nd hour: Inspections required, their purposes and important items.

C.A.B. #2
C.A.B. #2
Maintenance Bulletin
Powerplant #

3rd hour: The purpose and meaning of Operation limitations and Aircraft Operation Records
Minor and major aircraft repairs.
Inspection and care of propellers.

C.A.B. #2
Form 309, Aircraft
Operations Record
C.A.B. #27
C.A.B. #23
TM 1-412

4th hour: Elementary Principles and Theory of Flight. Forces acting on an airplane in flight.

C.A.B. #23
Part One
Chap. 1

5th hour: Stability - effects of improper balance on aircraft in flight--relation between airspeed and rate of climb--landing speed--stalling speed.

C.A.B. #23
Part One
Chap. 1

6th hour: Examination and review.

106. Code 10 hours

Purpose: To develop reception practice only.

Texts
TM 11-454

1st-
10th hour: Suggested time spent on code in Section One approximately 30 minutes per day. It is further suggested that trainees not be taught the alphabet but be taught by sound only.

107. Military and Physical Training 30 hours

6 hours: Manual of pistol. Manual and firing Cal. 45 pistol. Description, functions, care and cleaning, manual, marksmanship.

Texts
FM 23-35

8 hours: Infantry Drill.

Texts
FM 22-5

4 hours: Ceremonies.

NOTE: Ceremonies and Inspections to be held each Saturday morning.

12 hours: Athletics and Mass calisthenics.
Supervised athletics, and competitive sports (except LaCrosse, football, and soccer). Rotation of **trainees** in sports such as volley ball, softball, touch football, boxing, wrestling, track, swimming, and cross-country running is desirable. (One period daily excepting Saturdays and Sundays should be devoted to supervised physical exercise).

FM 21-20

RECOMMENDED BREAKDOWN OF GROUND SCHOOL SUBJECTS

BY HOURS

SECTION TWO (Second 4 Weeks)

203. Civil Air Regulations 4 hours

Purpose: To discuss and teach any recent amendments to the Civil Air Regulations, and to give a thorough review in preparation for the Civil Aeronautics Administration written examination.

1st hour: Discuss any new amendments, including local regulations and field rules.

2nd hour: Examination.

3rd hour: Review

4th hour: Review

204. Navigation 24 hours

Purpose: To develop the theory and practice of piloting and dead reckoning navigation.

1st hour: Airspeed meter, description, purpose, and use; indicated and calibrated; calibration.

Texts
C.A.B. #23
TM 1-413

		Texts
<u>2nd hour:</u>	Altimeter; description, purpose, and use; indicated, calibrated, and true.	C.A.B. #2 Pgs. 68- C.A.B. #2 Pgs. 25-
<u>3rd hour:</u>	Altimeter; methods of setting; interpretation of different settings.	TM 1-413
<u>4th hour:</u>	Principles of construction and operation of the magnetic compass; elementary theory of magnetism; how to read a compass card.	C.A.B. #2 Pgs. 75-77 C.A.B. #24 Pgs. 26-29
<u>5th hour:</u>	Compass errors; lubber line errors, variation and deviation; definition of isogonic and agonic lines.	TM 1-205
<u>6th hour:</u>	Correction of compass errors; explanation of the method of discovering lubber line error and a practical demonstration of method of compensation.	C.A.B. #24 TM 1-205
<u>7th hour:</u>	Review of Lambert-Conformal Conic projections; Mercator projection; practice measuring courses and distances on each.	C.A.B. #24
8th-		
<u>9th hour:</u>	Map reading; practice measuring courses and distances on different maps; recognition of symbols; emphasize visible features from various altitudes.	Sectional and Regional Aeronautical Charts to be furnished by Ground Instruction Center
<u>10th hour:</u>	Plan triangular course.	Sectional Charts
<u>11th hour:</u>	Pilotage (simulated flight problems)	C.A.B. #24
<u>12th hour:</u>	Vector problems, definition of a vector; triangle of velocity problems; graphical solution where wind vector, heading, and airspeed are known and true course and ground speed are determined; solution by computer.	C.A.B. #24
<u>13th hour:</u>	Vector problems; knowing any four elements, solution for remaining two; graphical and computer solutions.	C.A.B. #24
<u>14th hour:</u>	Vector problems; double drift problems; review and practice.	TM 1-205 Par. 162

- Texts
- 15th hour: Introduction to dead reckoning; theory . . . C.A.B. #24
of dead reckoning navigation; time, speed,
distance relation; the simple log; calcu-
lation of ETA as aid to map reading and
pilotage.
- 16th-
- 17th hour: Practical exercises in working problems of C.A.B. #24
time, speed, distance, calculating ETA,
simple dead reckoning, and keeping simple
log.
- 18th-
- 19th hour: Practice problems using computer. Stress
accuracy.
- 20th hour: Simple radius of Action. Solution using C.A.B. #24
computer. Pgs. 85-88
- 21st-
- 22nd hour: Alternate airport. Problem Graphic C.A.B. #24
solution. Pgs. 88-91
- 23rd hour: Examination.
- 24th hour: Review of examination.

205. General Servicing and Operation of Aircraft 4 hours

- Texts
- 1st hour: Carburetor icing--causes and prevention. C.A.B. Safety
Bulletin, "Car-
buretor Icing
and Prevention"
C.A.B. #23
Part 5, Chap. 1
- Engine idling--use of throttle--
carburetor heat.
- 2nd hour: Load factors--load factors in different C.A.B. #23
degrees of bank--relation between
increased load factors and wing loading--
relation between load factors and
stalling speed--gust loads--maximum safe
speed in rough air conditions.
Standard values used in computing C.A.R. Part 04.9
weights--gross weight--empty weight--
useful load--pay load.
- 3rd hour: Examination.
- 4th hour: Review.

206. Code 12 hours
Text
- 1st-
12th hour: Aural reception practice only. TM 11-454
207. Military and Physical Training 28 hours
Texts
- 4 hours: Interior Guard Duty. Provisions and duties of guard personnel, general orders (verbatim), prisoners, details and rosters. FM 26-5
- 8 hours: Infantry Drill. FM 22-5
- 4 hours: Ceremonies.
- NOTE: Ceremonies and Inspections to be held each Saturday morning.
- 12 hours: Athletics and Mass Calisthenics. Supervised athletics, and competitive sports (except LaCrosse, football, and soccer). Rotation of **trainees** in sports such as volley ball, softball, touch football, boxing, wrestling, track, swimming, and cross-country running is desirable. (One period daily excepting Saturdays and Sundays should be devoted to supervised physical exercise). FM 21-20
208. Aircraft Identification 12 hours
- Purpose: Classification of types and discussion of identification methods; silhouette and model study and range estimation exercises.
- 1st hour: Necessity for immediate and accurate identification and classification of aircraft types. FM 30-30
FM 30-35
FM 30-38
- 2nd hour: Important performance data. Study of silhouettes and models. Necessity for remembering performance data. Importance of armor and armament. Suggested
ence to be
nished by
Instructio
tractor: J.
"All the W
Aircraft"
- 3rd hour: Range estimation. Important methods. Synthetic means of practice. Study of silhouettes and models. Aerosphere
craft Year.
- 4th hour: Brief history of American type aircraft. Study of silhouettes and models.
- 5th hour: Examination and review.

6th hour: History of outstanding British types.
Study of silhouettes and models. Training in range estimation.

7th hour: History of outstanding German types.

8th hour: Study of silhouettes and models. Training in range estimation.

9th hour: History of outstanding Japanese types.

10th hour: Study of silhouettes and models. Training in range estimation.

11th hour: Examination.

12th hour: Review

209. Military Science and Discipline 12 hours

A. Safeguarding Military Information and Cryptography.

Purpose: To explain the use of code and cryptograms and to stress the importance of protection of documents.

Texts

1st hour: Importance, classification, leakages, examples - conduct of military personnel as prisoners. AR 380-5
FM 24-5
Sec. 5 Chap.

2nd hour: Cryptography, codes, and cryptograms. Definitions, uses and value types.

3rd hour: Review.

B. War Department Publications.

4th hour: Purpose or scope. Publishing authority and agency. Particular value, index and use, normal location of file - importance of latest changes for Army Regulations. AAF Reg.
#5-1
AR 1-5
AR 1-6
AR 1-10
AR 1-15
FM 21-6
TO 00-5

5th hour: Army Air Force Regulations, Technical Orders, Training Manuals, Field Manuals.

C. Military Customs and Courtesies.

6th hour: Importance of discipline and proper team work to military operations and organiza- FM 21-50
FM 21-100

tions; importance of observance of customs and courtesies to maintenance of discipline and morale; conduct towards superiors, subordinates, and civilians: conduct in the mess; respect for flag and for uniform; pride in service.

7th hour: Conduct of officers; leadership and honor.

8th hour: (1) Examination
(2) Insurance, wills, personal indebtedness.

D. Chemical War Defense

Purpose: To discuss briefly the identification of chemical agents and to explain the use of protective equipment.

9th hour: Principal chemical agents, their action, their use.

Text
FM 21-1

10th hour: Identification, protection and protective equipment. Proper fitting of protective equipment; first aid for gas casualties.

E. Signal Communications.

11th hour: Lecture covering various means of communications. Stress visual means, including pyro, signal flags, and panels.

Text
FM 24-5
Chap. 6
Par. 1-

12th hour: Examination and review.

210. Meteorology 24 hours

Purpose: To introduce to the trainee the use of weather maps and elementary principles of Meteorology essential to a pilot.

1st hour: The importance of weather to flying; safety in war time and peace time; weather service available to pilots; classification of weather reports.

Text-
C.A.B. 1

C.P.T.
Meteorol
Directi

2nd hour: Conditions of the sky.

3rd hour: Definitions of meteorological elements; pressure--how measured; types of barometer and application to the altimeter.

- 17 -

- 4th hour: Humidity; wind, ceiling; precipitation.
- 5th hour: Weather maps and meaning of weather map symbols.
- 6th hour: Continue study of weather map symbols.
- 7th hour: Decoding of teletype sequence reports.
- 8th hour: Distribution of oxygen with height in the atmosphere; temperature and pressure variation with height.
- 9th hour: Specific humidity; condensation; and heat energy in the atmosphere.
- 10th hour: Lapse rates; normal, dry adiabatic, and saturation adiabatic.
- 11th hour: Examination.
- 12th hour: Review of examination.
- 13th hour: Pressure gradient; centrifugal force, and circulation of the atmosphere in high and low pressure areas.
- 14th hour: Air masses.
- 15th hour: Modification of air masses.
- 16th hour: Fronts.
- 17th hour: Weather associated with warm and cold fronts.
- 18th hour: General and local circulation of the atmosphere.
- 19th hour: Fog and low stratus clouds.
- 20th hour: Thunderstorms.
- 21st hour: Icing conditions.
- 22nd hour: Weather map study.
- 23rd hour: Examination.
- 24th hour: Review of examination.

MINNESOTA RECRUITING DISTRICT HEADQUARTERS
182 Federal Office Building
Minneapolis, Minnesota

May 26, 1942

MEMORANDUM:

TO : Sub-station Commanders, Minnesota District

1. Applicants applying in person who are qualified may be given an application blank, information folder and sheet for the Women's Army Auxiliary Corps, beginning Wednesday, May 27th, 1942. Applicants must file their applications in the main office in Minneapolis before June 6th. All qualified applicants will be called to Minneapolis during the week of June 8th for examination.

2. A letter received from the Adjutant General is quoted for your information and necessary action.

"1. In order to procure the number of candidates required by the Army Air Forces for Glider Training prior to June 1, 1942 the enlistment of 333 qualified civilians in the Air Corps, Unassigned is authorized.

"2. Male citizens of the United States between the ages of 18 and 35 are eligible for Glider Pilot Training provided they meet any one of the following aerial experience requirements:

- a. Holder of currently effective CAA Airman's Certificate, private grade or higher.
- b. Holder of lapsed CAA Certificate private grade or higher, provided expiration was subsequent to January 1, 1942.
- c. Applicant certifies he has completed two hundred or more glider flights.
- d. Applicant certifies he was a former Aviation Cadet or Aviation Student who was eliminated for flying deficiency after he had successfully completed the course of elementary instructions.
- e. In lieu of requirements contained in sub-paragraphs a, b, c, and d, above, the Recruiting Officer may accept for enlistment for glider pilot training, male citizens between 18 and 35 who present to them a letter signed by a CAA District or Regional Flight Instructor or Flight Supervisor certifying that the Applicant is professionally qualified and now meets the physical requirements for flying of current CAA CPT Regulations.

No colored applicants will be enlisted.

3. Enlistment for the Specialist Engineer Corps has been extended to June 25th.

DEPARTMENT OF COMMERCE
CIVIL AERONAUTICS ADMINISTRATION

WASHINGTON

CHECK PHASE:

- ☒ Full Time.
☐ Extra Curricular.

GROUND SCHOOL RECORD

CHECK COURSE:

- ☒ Elementary. ☐ Link Instrument.
☐ Liaison Pilot. ☐ Elementary Instructor.
☐ Secondary. ☐ Secondary Instructor.
☐ Cross Country. ☐ Flight Officer.

Date Jan. 14, 1943

Institution State Teachers College

Student Gordon Henry Chapman

City and State St. Cloud, Minnesota

Flight Contractor Van's Air Service

SUBJECT	DATE COMMENCED	HOURS REQUIRED	HOURS PRESENT	COURSE GRADE	C. A. A. EXAMINATION GRADE	INSTRUCTOR	REMARKS
1. Math	11-14-42	26	26	90	100	C. O. Bemis	
2. Physics	11-14-42	20	20	76	93	Francis Cooke	
3. C.A.R.	11-14-42	20	20		90	P.C. VanSteinburg	
4. Nav.	11-14-42	36	36		93	James Hills	
5. Gen. Serv. Air.	11-16-42	10	10		90	P.C. VanSteinburg	
6. Code	11-14-42	22	22			M. B. Millett	A 6
7. Mil. & Phys. Tr.	11-16-42	58	58	90		M. B. Millett	
8. Airc. Ident.	12-1-42	12	12	87		John J. Weismann	
9. Mil. Sc. & Disc.	11-17-42	12	12	88		Robert Zierden	
10. Met.	12-1-42	24	24		97	James Hills	
TOTALS AND FINAL AVERAGES...		Total 240	Total 240	Average 86	Average 94		

Final remarks:

I HEREBY CERTIFY, That the instruction has been received by me as indicated above.

Gordon Henry Chapman
(Student's signature)

I HEREBY CERTIFY, That the instruction has been given as indicated above.

John J. Weismann
Ground Instruction Contractor Representative.
M. V. Sullivan
C. A. A. Representative.

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INSTRUCTIONS

In executing this form, please fill in the appropriate subjects in the "Subject" column *as listed below* for the course indicated in the upper right-hand corner. For your convenience the abbreviations may be used.

ELEMENTARY COURSE, FULL-TIME PHASE

- | | |
|---|----------------------|
| 1. Mathematics..... | (Math.) |
| 2. Physics..... | (Physics) |
| 3. Civil Air Regulations..... | (C. A. R.) |
| 4. Navigation..... | (Nav.) |
| 5. General Servicing and Operation of Aircraft..... | (Gen. Serv. Air.) |
| 6. Code..... | (Code) |
| 7. Military and Physical Training..... | (Mil. and Phys. Tr.) |
| 8. Aircraft Identification..... | (Airc. Ident.) |
| 9. Military Science and Discipline..... | (Mil. Sc. and Disc.) |
| 10. Meteorology..... | (Met.) |

ELEMENTARY COURSE, EXTRA-CURRICULAR PHASE

- | | |
|---|-------------------|
| 1. Civil Air Regulations..... | (C. A. R.) |
| 2. Meteorology..... | (Met.) |
| 3. Aerial Navigation..... | (Aer. Nav.) |
| 4. General Servicing and Operation of Aircraft..... | (Gen. Serv. Air.) |

SECONDARY COURSE, FULL-TIME PHASE

- | | |
|---|----------------------|
| 1. Navigation..... | (Nav.) |
| 2. Code..... | (Code) |
| 3. Military and Physical Training..... | (Mil. and Phys. Tr.) |
| 4. Aircraft Identification..... | (Airc. Ident.) |
| 5. Military Science and Discipline..... | (Mil. Sc. and Disc.) |
| 6. Meteorology..... | (Met.) |
| 7. Theory of Flight and Aircraft..... | (Th. Flt. and Airc.) |
| 8. Aircraft Engine Operation..... | (Airc. Eng. Op.) |

SECONDARY COURSE, EXTRA-CURRICULAR PHASE

- | | |
|--|-------------|
| 1. Aircraft (Aerodynamics and Structures), Instruments and Parachutes..... | (Aircraft) |
| 2. Aerial Navigation..... | (Aer. Nav.) |
| 3. Radio Instruction (Code)..... | (Radio) |
| 4. Powerplants (Engines, Propellers and Accessories)..... | (Pwrplnts.) |

LIAISON-PILOT COURSE

- | | |
|---|----------------------|
| 1. Mathematics..... | (Math.) |
| 2. Physics..... | (Physics) |
| 3. Civil Air Regulations..... | (C. A. R.) |
| 4. Navigation..... | (Nav.) |
| 5. General Servicing and Operation of Aircraft..... | (Gen. Serv. Air.) |
| 6. Code..... | (Code) |
| 7. Military and Physical Training..... | (Mil. and Phys. Tr.) |
| 8. Aircraft Identification..... | (Airc. Ident.) |
| 9. Military Science and Discipline..... | (Mil. Sc. and Disc.) |
| 10. Meteorology..... | (Met.) |

CROSS-COUNTRY COURSE

- | | |
|--|--|
| 1. Powerplant Operation and Flight and Engine Instrument Analysis..... | (Pwrplnt Op. and Flt. and Eng. Instr. An.) |
| 2. Applied Meteorology..... | (App. Met.) |
| 3. Applied Aerial Navigation..... | (App. Aer. Nav.) |

LINK-INSTRUMENT COURSE

- | | |
|--|---------------|
| 1. Instruments (limits—operation)..... | (Instruments) |
| 2. Applied Meteorology..... | (App. Met.) |
| 3. Use of Computer..... | (Computer) |
| 4. Civil Air Regulations (Instrument)..... | (C. A. R.) |
| 5. Radio (Orientation Procedures)..... | (Radio) |

ELEMENTARY AND SECONDARY INSTRUCTOR COURSES

- | | |
|--|--------------------------|
| 1. Civil Air Regulations..... | (C. A. R.) |
| 2. Powerplants..... | (Pwrplnts.) |
| 3. Aircraft (Aerodynamics and Structures)..... | (Aircraft) |
| 4. Meteorology..... | (Met.) |
| 5. Aerial Navigation..... | (Aer. Nav.) |
| 6. Flight Instruction Methods..... | (Flt. Instruction Meth.) |

53 ee

CALENDAR FOR 1942-1943

St. Cloud State
Teachers
College

Summer sessions - 1942

First session - June 8 - July 17

Second session - July 20 - August 28

The War Emergency and Special Adjustments

Regular college As World War II progressed the enrollment of the college

Fall Quarter begins September 8

Winter Quarter begins December 7

Spring Quarter begins March 2

went down by two-thirds. At one time there were less than 300 students in the college. The greatest decline naturally was in men students, but the women also did not attend college to prepare for teaching. There were too many golden opportunities for high school graduates to go into business and industry with salaries comparable to those of teachers. Under those conditions it was difficult to convince high school seniors that they should spend four years in college to earn what they could get directly out of high school. At least, it was easy to defer college for a few years.

State Teachers College,
St. Cloud, Minnesota.

1942-43

At the same time the demand for teachers was still great and was to become acute with the shortage of students in training for teaching.

TEACHERS COLLEGE is adapting its courses to the various interests and needs of teachers in service and also prospective teachers.

V-I Program United States Navy

To meet the teacher shortage and to serve the war effort in

Accelerated Program

Both elementary and secondary courses

By attending summer sessions in addition to

Mathematics

regular year students may complete the four-

year course in three years and the two-year

course in a proportional period of time. Further

Navy and Air service

acceleration may be recommended by teachers

who have ability to carry more than the usual

college load.

Physics, Chemistry, Meteorology

heavier loads to get through college faster. Refresher courses were also offered to induce former teachers to return to teaching.

Health and Physical Fitness

Curriculum changes were made so that a maximum number of skill

Special academic and professional courses are

Blueprint Reading, Drawing, General Mechanics

offered for teachers who expect to enter the

Business and Commercial Training

school teachers who expect to enter the

materially benefit those going into military service before

Curriculum adjustments

Typing, office

The curriculum

machines

maximum number of skill subjects may be taken

Cartography and Geography

emphasis. and years of the college

Foreign Languages

course by students who expect to enter military

Economics, History and Sociology

service or allied services before graduating from

college.

CALENDAR FOR 1942-1943

Summer sessions - 1942

First session - June 8 - July 17

Second session - July 20 - August 22

Regular college year

Fall Quarter begins September 8

Winter Quarter begins December 7

Spring Quarter begins March 15

For further information, write:

The Registrar
State Teachers College,
St. Cloud, Minnesota.

TEACHERS COLLEGE is adapting its courses to the various interests and needs of teachers in service and also to prospective teachers.

Accelerated Program

By attending summer sessions in addition to the regular year students may complete the four-year course in three years and the two-year course in a proportional period of time. Further acceleration may be accomplished by students who have ability to carry more than the usual college load.

"Refresher" Courses

Special academic and professional courses are offered for both the elementary and the high school teachers who plan to return to teaching.

Curriculum Adjustments

The curriculum has been arranged so that the maximum number of skill subjects may be taken during the first and second years of the college course by students who expect to enter military service or allied services before graduating from college.

St. Cloud State Teachers College

and the

War Emergency

1942-43

V-1 Program United States Navy

Civilian Pilot Training

Both elementary and secondary courses

Mathematics

With emphasis on functional needs for Army, Navy, and Air service

Physics, Chemistry, Meteorology

Health and Physical Fitness

Blueprint Reading, Drawing, General Mechanics

Business and Commercial Training

Typewriting, shorthand, bookkeeping, office machines

Cartography and Geography

Foreign Languages

Economics, History and Sociology

The State Teachers College Board passed regulations permitting committees headed by C. G. Boggs and J. J. Weissman was set up to the colleges to grant a degree to anyone called into military service give helpful advice to young men planning to enter the service when he was within one quarter of graduating. Also, if the student some of the faculty members served on war activities in the was called into service during a given quarter, he received one half community such as Air Raid Wardens and Selective Service Board, credit if he attended four weeks and full credit if he attended six and speakers bureau.

or more weeks. The grade given was determined by the work done up in the midst of World War II the college celebrated the to the point of call.

75th anniversary of the opening of the Third State Normal School.

Other programs offered in agreement with the armed services were in 1909. A week of appropriate dress and programs was directed the Navy's V-1, V-5 and V-7 programs, as well as, the reserve programs by C. G. Boggs as chairman. Governor Edward J. Thye gave the by the Army, Air Force and Marines. It meant that a person with two address at the closing program. At this time the college had years of college who could pass the appropriate physical and mental graduated nearly 12,000 persons in one program or another. tests could enlist in one of the special programs and continue in

Also during the war period the Alumni Association gave the college until the time of graduation. After graduation he was college a 25 acre tract of wooded land at the south edge of town immediately called into service with a very good rating. Again much on the banks of the Mississippi River. Later a log lodge was emphasis was placed in mathematics and science.

donated and assembled on this tract by the National Youth Administration.

Social Affairs

This is known as Palahi Lodge and is a wonderful recreational asset

With most of the men gone to war there could be few dances or to the college.

mixed social affairs. The men and women often had separate gatherings.

Stewart Hall, named in honor of Warren Stewart resident director, On occasion when the men gathered for a smoker the janitors and the which had been planned since 1907 was not completed until 1948. The faculty men were also invited. It worked out very well and probably war situation created one delay after another and each at succeeding the most appreciative were the janitors.

legislative session more money had to be appropriated to meet the

Special committees were set up to meet special problems. One rising cost of construction. It was finally completed and in December, headed by Dr. H. P. Lohrman was for the purpose of keeping civilian 1948 students and faculty moved from Old Main to Stewart Hall. It was and student morale. It made an effort to keep in touch with many of a cooperative enterprise and everyone pitched in to carry everything more than 2000 students in service. A log book was kept in the from one building to the next.

President's office to record visiting veterans to the campus. Another

committee headed by C. O. Bemis and J. J. Weismann was set up to give helpful advice to young men planning to enter the service. Some of the faculty members served on war activities in the community such as Air Raid Wardens and Selective Service Board, and speakers bureau. of this writing in 1961.

In the midst of World War II the college celebrated the 75th anniversary of the opening of the Third State Normal School in 1869. A week of appropriate dress and programs was directed by C. O. Bemis as chairman. Governor Edward J. Thye gave the address at the closing program. By this time the college had graduated nearly 12,000 persons in one program or another.

Also during the war period the Alumni Association gave the college a 25 acre tract of wooded land at the south edge of town on the banks of the Mississippi River. Later a log lodge was donated and assembled on this tract by the National Youth Administration. This is known as Talahi Lodge and is a wonderful recreational asset to the college.

Stewart Hall, named in honor of Warren Stewart resident director, which had been planned since 1941 was not completed until 1948. The war situation created one delay after another and each at succeeding legislative session more money had to be appropriated to meet the rising cost of construction. It was finally completed and in December, 1948 students and faculty moved from Old Main to Stewart Hall. It was a cooperative enterprise and everyone pitched in to carry everything from one building to the next.

Two temporary classroom buildings were secured from a military installation at Sioux Falls shortly after the end of the war. They were needed badly to house the increased enrollment. The temporary buildings known as A and B became quite permanent and were still much in use at the time of this writing in 1961.

November 28, 1942

Total male enrollment 128 - 138 in Sept.

Total male enrollment by classes

Freshman 42

Sophomores 30

Junior 25

Senior 31

Total students in

V-1, U. S. Naval Reserve 4

V-7, U. S. Naval Reserve 21

Marine Corps Reserve 2

Army Reserve 22

FORMER STUDENTS AND GRADUATES KILLED IN WORLD WAR I

Sgt. John Henningsen Killed in action over France

Petrus Liljedahl

Lt. James Schuller Killed in action

WORLD WAR II

St. Cloud State Teachers College

Lt. Robert Kavanaugh **Enrollment Figures** action over Burma

Lt. (j.g.) Howard L. November 28, 1942 action (?)

Lt. Walter Hiebert Killed in plane accident

Total male enrollment 128 - 138 in Sept.

Lt. W. Norman Fieresen Killed in plane accident

Total male enrollment by classes

Lt. Bernard Corbin Killed in action over Italy

Lt. **Freshman** 42

Lt. Robert Hamlin Killed in plane accident

Sophomore 30

Lt. Charles Nelson Killed in plane accident

Junior 25

Lt. Lawrence Lagerquist Killed in plane accident

Senior 31

Sgt. Ray Davison Killed

Total students in

Lt. Vance Schults Killed

V-1, U. S. Naval Reserve 4

Major Don Appert Presumed dead over Italy

V-7, U. S. Naval Reserve 21

Lt. Denis Booker Presumed dead

Marine Corps Reserve 2

Major Harold Jacobs Killed in Solosons

Army Reserve 22

Donald Beaulieu Killed in plane accident

Lt. George Fish Presumed dead

Lt. Norman Woodward Killed in Galapagos Islands

Lt. David A. MacGregor, ROAF Missing (?)

Lt. Vergil Herceg Killed in Italy

Lt. John Cary Killed over Germany

Delroy Brinski Killed in France

Lt. William Gorman Killed in Pacific action

Paul FORMER STUDENTS AND GRADUATES KILLED IN WORLD WAR I

Sgt. John Storhaugen Killed over Mindanao

Petrus Liljedahl

Lt. James Schertler Killed in action

Lt. Dennis Ruenke WORLD WAR II on routine training flight

Cpl. Warner Kala Killed in Mediterranean area

Lt. Robert Kavanaugh Killed in action over Burma

Lt. Barton Bourelle Killed over Iwo Jima

Lt. (j.g.) Howard L. Johnson Missing in action (?)

Lt. Jerome Gross Killed over France, Aug. 9, 1945

Lt. Walter Hiebert Killed in plane accident

Mrs. Glenn Hendstrand Killed in Pacific area

Lt. V. Norman Fieracen Killed in plane accident

Lt. Ralph Sjordahl Killed on Mindanao Island

Lt. Bernard Corbin Killed in action over Sicily

Lt. Neil Hoyt Died as a prisoner of the Japanese

Lt. Robert Hamlin Killed in plane accident

Elroy Frank Died in New Guinea following action

Lt. Charles Nelson Killed in plane accident

Lt. Robert Westholm Killed in Okinawa

Lt. Lorence Lagerquist Killed in plane accident

Lt. Robert Stai Killed in plane accident on Guam

Sgt. Ray Davison Killed

Leone Thomas, Red Cross Killed in plane accident in India

Lt. Vance Schultz Killed

Lt. Arthur Hanson Killed in plane accident in Mian. (naval reserve)

Major Don Appert Presumed dead over Italy

Lt. Denis Booker WORLD WAR II Presumed dead

Major Harold Jacobs Killed in Solomons

Pfc. Roger Silvernail Killed in action in Korea

Donald Beaulieu Killed in plane accident

Pfc. Richard J. Meins Killed in action in Korea

Lt. George Fish Presumed dead

Lt. Herbert Jung Died in Washington, D. C.

Lt. Norman Woodward Killed in Galapagos Islands

2nd Lt. Wayne Hazelton Killed in airplane accident

Lt. David A. MacGregor, RCAF Missing (?), Nevada - 3/5/53

Lt. Vergil Herzog Killed in Italy, Sergeant, M.B.

Lt. John Caryl Killed over Germany in Anchorage, Alaska

8/12/55

Delroy Brzinski Killed in France

Lt. William Gorman Killed in Pacific action

Paul Blivin	Killed in France
Sgt. John Storhaugen	Killed over Mindanao
Lt. James Schertler	Killed in action
Lt. Dennis Ruehle	Killed on routine training flight
Cpl. Warner Kelm	Killed in Mediterranean area
Lt. Burton Bourelle	Killed over Iwo Jima
Lt. Jerome Gross	Killed over France, Aug. 9, 1945
Ens. Glenn Hendstrand	Killed in Pacific area
Lt. Ralph Bjorkland	Killed on Mindanao Island
Lt. Neil Hoyt	Died as a prisoner of the Japanese
Elroy Frank	Died in New Guinea following action
Lt. Robert Westholm	Killed in Okinawa
Lt. Robert Stai	Killed in plane accident on Guam
Leone Thomey, Red Cross	Killed in plane accident in India
Lt. Arthur Hanson	Killed in plane accident in Minn. (naval reserve)

Preliminary KOREAN ACTION AND OTHERWISE the facilities of this

and other colleges to determine the qualifications of faculty, physical facilities, and airport facilities. One morning at 3:00 a.m. the writer received a call from the commander of the Gulf Training Center at Randolph Field, Texas wanting to know if the college could house and train 250 men almost immediately.

Pfc. Roger Silvernail	Killed in action in Korea
Pfc. Richard J. Mainz	Killed in action in Korea
Lt. Herbert Jung	Died in Washington, D. C.
2nd Lt. Wayne Hazelton	Killed in airplane accident Las Vegas, Nevada - 3/5/53
Lt. Elmer J. Ruhland	Killed B-29 crash, Sargent, Neb.
Lt. William Fernald	Killed in Jet blast in Anchorage, Alaska 8/12/55

that this college had been selected as a training center.

The Army Air Force Training Program

Floyd E. Perkins was appointed director of the program. Things had As World War II progressed it became apparent that the Air Force was getting more recruits than it could process with its facilities and instructors. Some men had waited as long as six months from the time of enlistment to the time of call for training. This resulted in a great waste of time for the individuals who had quit school or job and waited daily for the call to active duty. Someone conceived the idea that the waiting period could be put to good use by sending the recruits to college for a few months for special training while waiting for Air Force facilities to be ready to teach them to become flight officers. One hundred fifty colleges all over the country were asked to participate in the program and St. Cloud Teachers College was fortunate enough to be selected. Preliminary investigations were made of the facilities of this and other colleges to determine the qualifications of faculty, physical facilities, and airport facilities. One morning at 3:00 a.m. the writer received a call from the commander of the Gulf Training Center at Randolph Field, Texas wanting to know if the college could house and train 250 men almost at once. I assured him we could but final word would have to come from the President of the college in the morning. On January 29, 1943 President Selke received a telegram that this college had been selected as a training center. was of the highest type. Capt. McElroy and Lt. Packer were most

Floyd E. Perkins was appointed director of the program. Things had to move rapidly. Dean Herbert Clugston arranged the schedule of classes in specified subjects. All these special arrangements had to be dovetailed in with the regular schedule of our own college students. For the next 15 months the college would serve a dual role in military and civilian student training. The last unit left May 15, 1944.

The girls were evacuated from Lawrence Hall to make way for the men coming in. They were housed in Shoemaker Hall, Carol Hall and off campus homes. The director of Lawrence Hall and the cooking staff stayed on to feed the men. Everyone entered into the spirit of the new venture and the cooperation was splendid. New equipment had to be secured to house the increased number in Lawrence Hall and because of the war shortage bunks were hard to obtain. The Minnesota State reformatory built some of the furniture. Everything was in readiness when four officers and eight sergeants arrived on February 17. Captain John E. McElroy was commanding officer and Lt. Donald Emmerich, adjutant. On the first of March the first contingent of 103 men of the 72nd College Training Detachment arrived. In the next few months this number grew to 250 men. The average stay of each group was three months and altogether 921 men were trained at St. Cloud Teachers College. At one time, the fall of 1943, there were 404 such men on the campus. After the winter of 1944 the number declined sharply. The relationship between the college and the commanding officers was of the highest type. Capt. McElroy and Lt. Emmerich were most

The Army Air Force song became as familiar as the college hymn.

cooperative. Inspectors of the training command were always courteous, friendly, and cooperative. The command was changed from Randolph Field, Texas to the West Coast Flying Training Command with headquarters at Santa Anna, California. The change in the command and the replacement of Capt. McElroy with Capt. Hugh B. Rankin made no difference in the smoothness of the operation. The last unit left May 25, 1944.

The only apparent decline in morale was evident during the last few months of the program. The Air Force had too many officers and not enough foot soldiers.

Sixty of the men were transferred out of pilot training into the ground forces. This met with a great deal of dissatisfaction in the group.

After the program was completed the college was presented with a certificate of award for meritorious services rendered to the Army Air Force. The certificate is hung in the alumni office.

Many of the college instructors became regular staff members on the Air Force program but six additional instructors had to be employed. The six were needed in science, mathematics and physical education. Other courses taught were history, geography, English and Civil Air Regulations and Medical Aid. The Air Force Program was a welcome addition to the college when its enrollment was the lowest it had been for many years. It kept a well trained faculty busy and with a feeling of having contributed in some measure to the war effort.

The Army Air Force song became as familiar as the college hymn.

The men in uniform marching and chanting while marching between

classes gave the college a new spirit and atmosphere. Townspeople,

As World War II was nearing its obvious end it became apparent students and faculty were thrilled by the colorful flag raising ceremony at sunrise and the equally colorful ceremony of lowering the flag at sunset. Turning a Teachers College into a military institution for a period of about 15 months was a unique experience time the G.I. Bill was available and the servicemen were anxious to have witnessed.

to get home and begin civilian life either in school or employment.

Captain McElroy was a wise and able administrator. Like many others, he was a former civilian who gave up a lucrative business schooling had been interrupted. For others it meant looking for to help with the war effort for the duration. Handling a contingent a new job. Helping these people was a job the veterans administration of Air Force recruits in a college situation was a difficult assignment and he did it with a minimum of trouble.

The veterans administration had a limited guidance service that On one occasion, a local resident complained to the captain was helping the disabled veterans in their adjustment. This service about the behavior of his men with her daughter and the other girls alone could not put a dent in the big problem once the war was over. in town. His reply to her was direct and equal to the occasion.

Fortunately there was enough vision to see the problem and do something He said, "Madam, we keep our boys in the dormitory six nights a about it. week. You keep your daughter home the other night and the whole

All over the country, largely in colleges, an expanded veterans problem will be solved."

guidance service became a reality. Here veterans, disabled and others, For further detailed information see History of the 72nd could come for testing and counseling to help them get the training College Trg. Det. by Lt. Donald J. Emmerich. they needed to earn a living in civilian life.

The St. Cloud Teachers College was chosen as one of the Veterans Guidance Centers and President Dudley Brainard appointed John J. Weismann as the director and head counselor. With a week of special

training at Fort Snelling the program began to take shape. The first additional course **The Veterans Guidance Center** he was soon followed

by Ralph Screenen and Floyd Mandell. Room 6 in Old Main was chosen

As World War II was nearing its obvious end it became apparent as the center because of its size and access to the main entrance. to the War Office and the veterans administration that they were with saw, hammer and plan the diwster built partitions for counseling facing a monstrous job in demobilizing the millions in the armed rooms, testing rooms and a reception center. A contract had been services and helping them get adjusted to civilian life. By this entered into by the spring of 1944 so the program got underway. Each time the G.I. Bill was available and the servicemen were anxious of the counselors received a week of special training at Fort Snelling to get home and begin civilian life either in school or employment.

The veterans administration maintained its own administrator For those who went directly into the service from high school and placement officers in the same center. His duty was to confirm schooling had been interrupted. For others it meant looking for the decisions made by the counselor and aid the veterans to enter a new job. Helping these people was a job the veterans administration school, or on-the-job training. The veterans administration had the could not cope with alone.

full responsibility of training and placement on a job for all disabled The veterans administration had a limited guidance service that veterans of all degrees of disability.

was helping the disabled veterans in their adjustment. This service

Nate Mandell began the program for the veterans administration alone could not put a dent in the big problem once the war was over. but was soon replaced by Arden Epton who was later replaced by Robert Fortunately there was enough vision to see the problem and do something Warnken. Marjorie Poe was the psychiatrist who gave and corrected about it.

tests. She and a number of assistants were also hired by the college.

All over the country, largely in colleges, an expanded veterans The program went into full swing almost from the first day. A guidance service became a reality. Here veterans, disabled and others, counselor was permitted a maximum of eight veterans per day. Soon could come for testing and counseling to help them get the training more help was needed and Epton's interest was added to the center. they needed to earn a living in civilian life.

The St. Cloud Center made a good reputation and had frequent

The St. Cloud Teachers College was chosen as one of the Veterans visitors from other centers to see how it was managed. From the proceeds Guidance Centers and President Dudley Brainard appointed John J. of the counseling service the center was not only self maintaining but Weismann as the director and head counselor. With a week of special

training at Fort Snelling the program began to take shape. The first
made money for the college.
additional counselor hired was Charles Emery. He was soon followed

After a year directing the guidance center John Weismann turned
by Ralph Sorenson and Floyd Indall. Room Q in Old Main was chosen
the management over to Charles Emery while he moved back into the
as the center because of its size and nearness to the main entrance.
college proper, to resume the interrupted duties as Dean of Men. The
With saw, hammer and plan the director built partitions for counseling
enrollment in the spring of 1943 was 18 men and it rose to over 600
rooms, testing rooms and a reception center. A contract had been
men that fall. It kept climbing each quarter until it rose to over 1000
entered into by the spring of 1944 so the program got underway. Each
by 1947. These men were largely veterans and for the first time in
of the counselors received a week of special training at Fort Snelling.
the history of the college the men outnumbered the women.

The veterans administration maintained its own administrator
after about two years of service the veterans guidance center
and placement officers in the same center. His duty was to confirm
was dropped by the college and taken over by the local public schools.
the decisions made by the counselor and aid the veterans to enter
Ralph Sorenson became director when Mr. Emery was hired as a member
school, or on-the-job training. The veterans administration had the
of the college faculty.
full responsibility of training and placement on a job for all disabled
veterans of all degrees of disability.

Nate Mandell began the program for the veterans administration
but was soon replaced by Arden Keton who was later replaced by Robert
Warnken. Marjorie Poe was the psychomotrist who gave and corrected
tests. She and a number of assistants were also hired by the college.

The program went into full swing almost from the first day. A
counselor was permitted a maximum of eight veterans per day. Soon
more help was needed and Evans Anderson was added to the center.

The St. Cloud Center made a good reputation and had frequent
visitors from other centers to see how it was managed. From the proceeds
of the counseling service the center was not only self sustaining but

November 10, 1950

made money for the college.

After a year directing the guidance center John Weismann turned the management over to Charles Emery while he moved back into the college proper, to resume the interrupted duties as Dean of Men. The enrollment in the spring of 1945 was 18 men and it rose to over 600 men that fall. It kept climbing each quarter until it rose to over 1000 by 1947. These men were largely veterans and for the first time in the history of the college the men outnumbered the women.

After about two years of service the veterans guidance center was dropped by the college and taken over by the local public schools. Ralph Sorenson became director when Mr. Emery was hired as a member of the college faculty.

Waive Eng. 131
Eng. 132
Eng. 133
Take Eng. 134
S.S. 101 (3 crs.)
S.S. 102 (3 crs.)
S.S. 103 (3 crs.)
Or
hist. 141 (4 crs.)
and
One of the S.S. above (3 crs.)
plus
2 crs. electives

Test III Natural Science

Waive Sci. 101 (4 crs.)
And
102 or 103 (3 crs.)
plus
2 crs. electives

Test IV Literary Materials

Waive Hum. 121 (3 crs.)
plus
4 crs. electives

Basic or Boot Training

Waive Health Ed. 115 (2 crs.)
Phy. Ed. (2 crs.)
plus
2 crs. electives

November 10, 1950

At the close of World War II college enrollments skyrocketed.

The greatest single increase of course was the veterans who had

had their education interrupted. The enrollment at St. Cloud went

WAIVER OF COURSES FOR FRESHMAN VETERANS

Who Have Passed GED Tests

The Committee on Military Credits recommends that the following courses be waived for freshman veterans who present evidence from the Registrar's office that they have taken and passed the GED tests:

Test I Correct & Effect. of Expression

returned to school after the war largely because of the cancellation

of war contracts and the ensuing unemployment.

Waive Eng. 132

Eng. 133

Take Eng. 131

This sudden increase in students created many problems and one

Test II Social Studies

of them was housing. Through the war many of the householders who

roomed students converted to agriculture or went out of business.

Waive S.S. 101 (3 crs.)

S.S. 102 (3 crs.)

S.S. 103 (3 crs.)

There never had been a dormitory for men, so the sudden increase

Or

was more than the community could absorb overnight. Many of the

Hist. 141 (4 crs.)

and

veterans came back married and they created another kind of housing

One of the S.S. above (3 crs.)

plus

2 crs. electives

problem.

Test III Natural Science

Fortunately, the National Youth Administration had built a

training center for war veterans. It was built on college property

Waive Sci. 101 (4 crs.)

and

west of Balke Field. A former faculty member, Chester B. Lund was

102 or 103 (3 crs.)

plus

the state director for the National Youth Administration and before

2 crs. electives

Test IV Literary Materials

his President George Selig. They were instrumental in obtaining the

funds and placing the building on college property. After the National

Waive Hum. 122 (3 crs.)

plus

Youth Administration was closed and liquidated in 1948 the

6 crs. electives

Basic or Boot Training

building was transferred to the college.

Waive Health Ed. 115 (2 crs.)

Phy. Ed. (2 crs.)

plus

cost of \$25,000 to the college. It was named Pressers Hall in honor

2 crs. electives

Housing The Returning Veterans

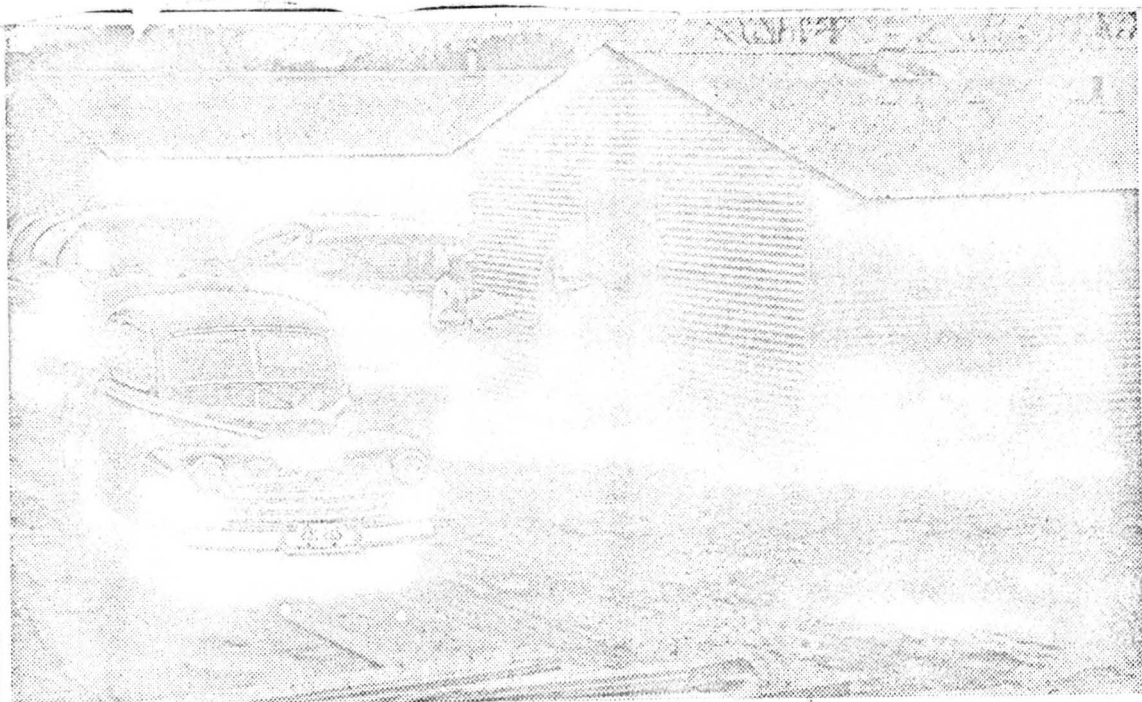
At the close of World War II college enrollments skyrocketed. The greatest single increase, of course, was the veterans who had had their education interrupted. The enrollment at St. Cloud went from a low of 13 men in the Spring of 1945 to more than a thousand men in the Fall of 1947. For the first time in the history of the college the men outnumbered the women. Non-veterans and women also returned to school after the war largely because of the cancellation of war contracts and the cutting down of employment.

This sudden increase in students created many problems and one of them was housing. Through the war many of the householders who roomed students converted to apartments or went out of business.

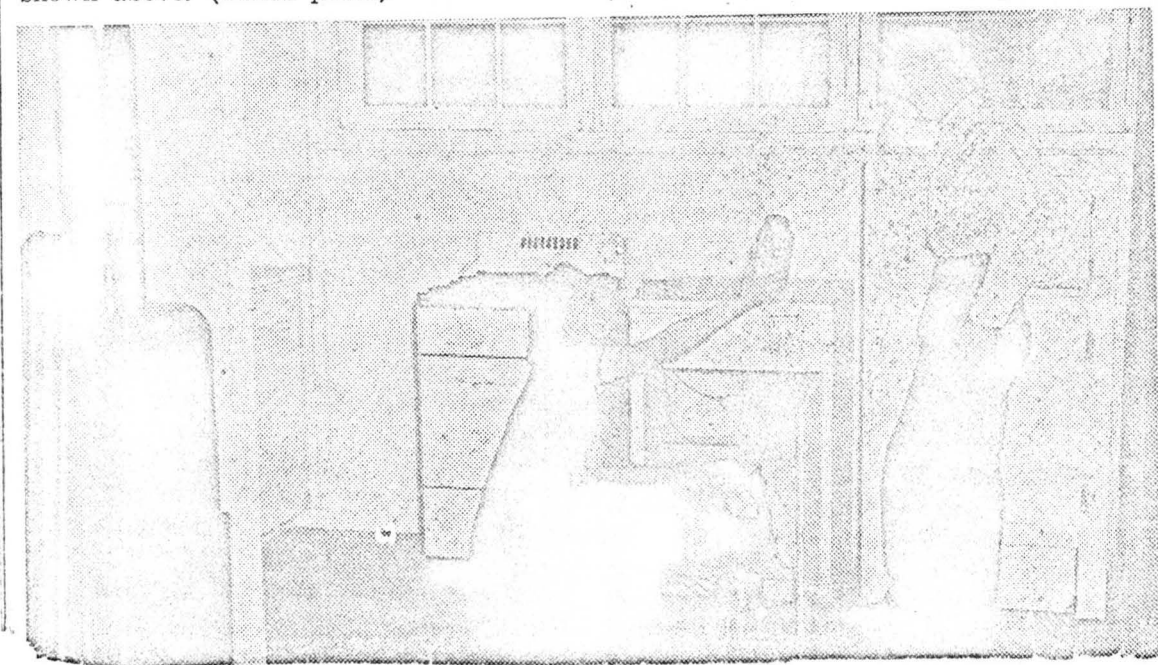
There never had been a dormitory for men, so the sudden increase was more than the community could absorb overnight. Many of the veterans came back married and that created another kind of housing problem.

Fortunately, the National Youth Administration had built a training center for war industries. It was built on college property west of Selke Field. A former faculty member, Chester B. Lund was the state director for the National Youth Administration and before him President George Selke. They were instrumental in obtaining the funds and placing the building on college property. After the National Youth Administration was closed down and liquidated in 1943 the building was transferred to the college.

In 1946 the building was converted into a mens dormitory at a cost of \$20,000 to the college. It was named Brainard Hall in honor



CONVERTED ARMY BARRACKS for married Teachers college students are being completed and the first to move into one of the units is the Earl Swarthout family shown above. (Times photo)



of our war time President, D. S. Brainard. It was our only college mens dormitory until it was vacated in 1958 in favor of Shoemaker Hall. It was then used as a storage building until December, 1960 when it was demolished. ~~also for water, sewer, electricity, roads etc.~~

~~begin~~ While Brainard Hall was being converted in the fall of 1946 school began with not enough housing. The large gymnasium in Eastman Hall was equipped with bunks and other temporary furniture and occupied housed 148 men waiting for the dormitory to open. Because of a This shortage of critical building materials the opening slated for October was delayed until Thanksgiving vacation. At that time 108 men crowded into Brainard Hall which had a normal capacity of 78 men. Three men occupied rooms built for two. Just as at Eastman of Hall gymnasium the conditions were bad but the spirit was good. ght.

The new Veterans Housing Units stuck although they were frequently
Married Veterans Housing
called "fertile flats" or "Vets Village."

By the Fall of 1945 housing for married veterans had become

The managing director of the Veterans Housing was J. J. Weissmann. acute. Apartments and houses in St. Cloud were in short supply Preference was given to veterans with children and except on some because of the lack of building during the war years. Numerous occasions during the summer there was always a long waiting list. The married couples were living with their parents, some were living in units were run like a village with the students electing their own one room, and others were living apart with the wife and children mayor and council. At one time a few new faculty couples occupied in one place and the husband rooming in St. Cloud.

units until housing could be found. Following the Korean conflicts

Fortunately the Federal Government was aware of the problem the demand for married student housing was greater than ever before, and had planned housing for married veterans. St. Cloud was allotted

The original cost to the veteran for a unit was \$16.50 per month, 48 two bedroom units completely equipped except for furniture. The and that included gas, electricity and water. Some veterans soon units were built from dismantled army barracks. Each unit was equipped learned that they could heat their units on free gas or electricity, with an oil circulating heater, a hot water heater, a gas cook stove After the Federal Housing Authority turned the units over to the college and an ice box.

The site selected for the village was the north end of Selke Field. These units were erected in an agreement between the State and the Federal Housing Authority which shared in the cost of the buildings. The States share for water, sewer, electricity, roads etc. began at \$23,582 but ended up closer to \$30,000. There were many delays in construction because of a shortage of certain materials, much to the dismay of the married veterans. Some units were occupied in September, 1946 and the last ones in February of that year. This eased the situation somewhat but only a small portion could be accommodated.

These units were built on a temporary basis to last from three to five years until something better could be built. At the time of this writing in 1961 they were still occupied with no end in sight. The name Veterans Housing Units stuck although they were frequently called "fertile flats" or "Vets Village."

The managing director of the Veterans Housing was J. J. Weismann. Preference was given to veterans with children and except on some occasions during the summer there was always a long waiting list. The units were run like a village with the students electing their own mayor and council. At one time a few new faculty couples occupied units until housing could be found. Following the Korean conflicts the demand for married student housing was greater than ever before.

The original cost to the veteran for a unit was \$16.50 per month, and that included gas, electricity and water. Some veterans soon learned that they could heat their units on free gas or electricity. After the Federal Housing Authority turned the units over to the college

the rate was raised to \$21.00 per month with the veteran paying his own electricity and gas. The rate was still too low compared with housing at other colleges and universities.

In the early years of World War II the American Legion brought pressure to bear on the 76th Congress to give some very special consideration to the men and women in the armed services. They did not want the veterans neglected as they had been after World War I

and other privileges were. Since the people not in service were receiving fabulous salaries and good positions it would be grossly unfair to the veterans to return to an interrupted education or job without special help. It was estimated that 15 million men and women served during that war and many were in for four years or more. They lost time, money, and opportunity and a large number were disabled in one form or another.

The 78th Congress passed Public Law 16 to rehabilitate and train the veterans with service connected disabilities and Public Law 346 to educate or train other veterans.

Public Law 16

Disabled veterans were eligible if: (1) they had active service between September 6, 1940 and July 27, 1947; (2) they were honorably discharged; (3) they had service connected disability; (4) the Veterans Administration determined the need for vocational training to overcome the handicap of their disability.

Training could last to a maximum of four years. The type of training was determined by the veteran and his counselors through

testing and counseling. The G. I. Bill could be in school or on-the-job or training. He received The Veterans Readjustment Act in addition to compensation

in the amount of \$75 without dependents, \$105 with one dependent and

In the early years of World War II the American Legion brought \$120 with more than one dependent. In addition, his tuition, fees, pressure to bear on the 78th Congress to give some very special books, supplies and tools were furnished by the Veterans Administration. consideration to the men and women in the armed services. They did Public Law 16 ended July 25, 1956. not want the veterans neglected as they had been after World War I

Public Law 346

and other previous wars. Since the people not in service were

This Bill contained a provision for non-disabled veterans to receiving fabulous salaries and good positions it would be grossly receive education or training at government expense. All veterans unfair to the veterans to return to an interrupted education or with other than dishonorable discharge were eligible. job without special help. It was estimated that 15 million men and

The time of eligibility was figured at one and one-half times women served during that war and many were in for four years or the number of months in service not to exceed four years. Training more. They lost time, money, and opportunity and a large number could be either in school or on-the-job training. The Veterans were disabled in one form or another.

Guidance centers offered their services to help the veteran in his

The 78th Congress passed Public Law 16 to rehabilitate and planning for rehabilitation. train the veterans with service connected disabilities and Public

For his training in college he received his tuition, fees, Law 346 to educate or train other veterans. books, supplies and tools. He also received subsistence allowances

Public Law 16

of \$75 for a single person, \$105 with one dependent and \$120 with

Disabled veterans were eligible if: (1) they had active two or more dependents. On-the-job allowances were \$65 and \$90 service between September 6, 1940 and July 27, 1947; (2) they were respectively. Public Law 346 ended July 25, 1956. Almost 1900 honorably discharged; (3) they had service connected disability; veterans took advantage of the G. I. Bill at St. Cloud Teachers College. (4) the Veterans Administration determined the need for vocational

The Korean Bill

training to overcome the handicap of their disability.

The 82nd Congress passed the "Veterans Readjustment Assistance Training could last to a maximum of four years. The type of Act of 1952" known more commonly as the Korean Bill. training was determined by the veteran and his counselors through

testing and counseling. The training could be in school or on-the-job training. He received subsistence allowance in addition to compensation in the amount of \$75 without dependents, \$105 with one dependent and \$120 with more than one dependent. In addition, his tuition, fees, books, supplies and tools were furnished by the Veterans Administration. Public Law 16 ended July 25, 1956.

Public Law 346

This Bill contained a provision for non-disabled veterans to receive education or training at government expense. All veterans with other than dishonorable discharge were eligible. The time of eligibility was figured at one and one-half times the number of months in service not to exceed four years. Training could be either in school or on-the-job training. The Veterans Guidance centers offered their services to help the veteran in his planning for rehabilitation. For his training in college he received his tuition, fees, books, supplies and tools. He also received subsistence allowances of \$75 for a single person, \$105 with one dependent and \$120 with two or more dependents. On-the-job allowances were \$65 and \$90 respectively. Public Law 346 ended July 25, 1956. Almost 1900 veterans took advantage of the G. I. Bill at St. Cloud Teachers College. The 82nd Congress passed the "Veterans Readjustment Assistance Act of 1952" known more commonly as the Korean Bill.

Any veteran was eligible if he served between June 27, 1950 and February 1, 1955.

Public Law 894 for disabled veterans was similar to Public Law 16 for World War II veterans. Public Law 550 for non-disabled veterans was similar to Public Law 346 for World War II veterans. Some changes however, should be noted in Public Law 550.

Public Law 550

Under this law tuition, fees, books etc. were not supplied by the government. The subsistence however, was raised so the veteran could pay his own way. A single person received \$110 per month, a veteran with one dependent received \$120 and with two or more dependents \$160. The eligibility time was again one and one-half times the number of months served but the maximum here was 36 months. A veteran who served in both wars could use the Korean Bill after Public Law 346 ended. There were many veterans who served in both wars.

The changes in compensation from Public Law 346 to Public Law 550 was probably due to the abuses by many colleges in charging for tuition, books, fees, and supplies. Under Public Law 346 some schools charged the veterans out-of-state tuition and also found other means of getting what they could out of veterans training. Giving the subsistence only to the veteran put a stop to irregular practices and permitted the veteran to go to school where he found it most economical and rewarding.

The changes in compensation from Public Law 346 to Public Law 550 was probably due to the abuses by many colleges in charging for tuition, books, fees, and supplies. Under Public Law 346 some schools charged the veterans out-of-state tuition and also found other means of getting what they could out of veterans training. Giving the subsistence only to the veteran put a stop to irregular practices and permitted the veteran to go to school where he found it most economical and rewarding.

earning power and consequently increased income taxes. The Bureau

The veteran had to complete his training within eight years of Census figures showed that the training received by veterans in of his beginning training under this bill. Training had to begin World War II G. I. Bill was worth more than a billion dollars a within three years of separation from service. Under Public Law 346 year more in taxes than would have been true without training. It and 16 approximately 7,800,000 veterans or more than half of the was estimated that 5 or 6 years of this income would completely 15,000,000 veterans took some kind of training. Of these 29% or pay off the G. I. Bill. If these figures are correct then the sum 2,232,000 went to college somewhere.

could hold true of the Korean Bill or any other veterans training bill. Of the 4,000,000 veterans of the Korean conflict one-half or

2,354,000 took training and 51% of these went to college. At this

The cut-off date for eligibility to veterans benefits was college the number who used the Korean Bills numbered over 1,500. January 31, 1945. Persons who entered service prior to that date The period of training under subsistence was usually shorter because were eligible to the benefits of the Korean Bill. Those that went the veterans stay in service was usually shorter than in World War II. into the armed services after that date received no veterans benefits.

All the benefits of the G. I. Bills can never be assessed. One Another bill considered by Congress but not passed was "The Cold War would have to speak of the benefits in superlatives. Naturally there Veterans Bill" for those who entered the service after January 31, 1955. were some abuses as there always are when a good thing comes along,

War Orphans Education

but the good outweighed the abuses by so much that there need be no

The War Orphans Bill, Public Law 534, 84th Congress, provided comparison made.

for a program of financial aid for the education of any young person

The veterans have shown in repeated studies all over the country, whose parent served in World War I, World War II or the Korean conflict that they made better grades than the other members of the student and died of injuries or diseases resulting from military service. body. Many of the veterans were married before attending college and

The student was usually between the ages of 18 and 23. The length many more were married during their stay in college. On the whole, of training was 36 months. The student received \$110 per month in they were a steady influence on the rest of the students.

substance. The State of Minnesota in addition allowed enough Army

While the cost of training veterans ran into many millions of to pay the students tuition,

dollars, economists felt that the cost would be paid off by the

The purpose of the program, as stated in the law, is to give veterans themselves through the training that resulted in increased these young people an opportunity to get the education they otherwise

might have obtained had their veteran parents lived.

The following pages gives figures on veterans enrollments at various periods since World War II.

Winter Quarter 1946-47
earning power and consequently increased income taxes. The Bureau of Census figures showed that the training received by veterans in World War II G. I. Bill was worth more than a billion dollars a year more in taxes than would have been true without training. It was estimated that 8 or 9 years of this income would completely pay off the G. I. Bill. If these figures are correct than the same would hold true of the Korean Bill or any other veterans training bill.

The cut-off date for eligibility to veterans benefits was January 31, 1955. Persons who entered service prior to that date were eligible to the benefits of the Korean Bill. Those that went into the armed services after that date received no veterans benefits. Another bill considered by Congress but not passed was "The Cold War Veterans Bill" for those who entered the service after January 31, 1955.

War Orphans Education

The War Orphans Bill, Public Law 634, 84th Congress, provided for a program of financial aid for the education of any young person whose parent served in World War I, World War II or the Korean conflict and died of injuries or disease resulting from military service.

The student was usually between the ages of 18 and 23. The length of training was 36 months. The student received \$110 per month in subsistence. The State of Minnesota in addition allowed enough money to pay the students tuition.

The purpose of the program, as stated in the law, is to give these young people an opportunity to get the education they otherwise might have obtained had their veteran parents lived.

The following pages gives figures on veterans enrollments at various periods since World War II.

VETERAN ENROLLMENT - FALL QUARTER 1944 THRU FALL QUARTER 1949
Winter Quarter 1946-47

Fall Quarter	9/6/44 - 11/22/44	2
1. Veterans of World War II enrolled under the Rehabilitation Bill, Public Law 16:		3
Spring Quarter	75 men 3/12/45 - 6/7/45	4
	2 women Total . . . 77	
Summer Session	6/11/45 - 8/25/45	4
Fall Quarter	9/6/45 - 11/22/45	13
2. Veterans of World War II taking advantage of the "GI" Bill, Public Law 346:		73
Winter Quarter	12/7/45 - 3/8/46	
Spring Quarter	490 men 3/11/46 Total . . . 494	168
	4 women	
Summer Session	6/10/46 - 8/24/46	177
3. Veterans of World War II not choosing to take advantage of the "GI" Bill:		523
Fall Quarter	9/6/46 - 11/22/46	
Winter Quarter	4 men 12/2/46 Total . . . 4	570
Spring Quarter	3/10/47 - 6/4/47	571
Summer Session	TOTAL NUMBER OF VETERANS: 8/23/47	381
Fall Quarter	569 men 9/2/47 - 11/26/47	541
	6 women TOTAL . . . 575	
Winter Quarter	12/1/47 - 3/5/48	558
Spring Quarter	3/8/48 - 5/29/48	550
First Summer Session	6/7/48 - 7/15/48	348
Second Summer Session	7/17/48 - 8/20/48	293
The college enrollment can be classified from another point of view:		
Fall Quarter	Freshmen 698	559
	Sophomores 289	
Winter Quarter	Juniors 104	574
	Seniors 73	
Spring Quarter	Post-graduates 3	571
First Summer Session	TOTAL 1167	353

This uneven distribution is due to the great influx of returning veterans many of whom are in the freshmen class. It means that the enrollment of the college is certain to increase during the next three years at least. It explains the need for additional members of the faculty request for student aid.

Spring Quarter 3/13/50 - 6/2/50 464

VETERAN ENROLLMENT - FALL QUARTER 1944 THRU FALL QUARTER 1949

VETERAN ENROLLMENT		FL 894	FL 634
Fall Quarter	1944	9/6/44 - 11/22/44	2
Winter Quarter	1957	11/28/44 - 3/9/45	3
Spring Quarter	1957-58	3/12/45 - 6/7/45	4
Summer Session	1958	6/11/45 - 8/25/45	4
Fall Quarter	1958	9/5/45 - 11/30/45	13
Winter Quarter	1958	12/3/45 - 3/8/46	75
Spring Quarter	1958	3/11/46 - 6/1/46	168
Summer Session	1958-59	6/10/46 - 8/24/46	177
Fall Quarter	1959	9/3/46 - 11/27/46	523
Winter Quarter	1959	12/2/46 - 3/7/47	570
Spring Quarter	1959	3/10/47 - 6/4/47	571
Summer Session	1959	6/9/47 - 8/23/47	381
Fall Quarter	1960	9/2/47 - 11/26/47	541
Winter Quarter	1960	12/1/47 - 3/5/48	558
Spring Quarter	1960	3/8/48 - 5/29/48	550
First Summer Session	1960	6/7/48 - 7/16/48	348
Second Summer Session	1960	7/17/48 - 8/20/48	293
Fall Quarter	1961	9/7/48 - 12/3/48	559
Winter Quarter	1961	12/3/48 - 3/11/49	574
Spring Quarter	1961	3/14/49 - 6/4/49	571
First Summer Session		6/13/49 - 7/22/49	353
Second Summer Session		7/25/49 - 8/27/49	312
Fall Quarter		9/12/49 - 12/9/49	518
Winter Quarter		12/9/49 - 3/10/50	507
Spring Quarter		3/13/50 - 6/2/50	464

VETERANS ADMINISTRATION

CERTIFICATION OF REENTRANCE OR CHANGE OF TRAINING STATUS

(Under Title 38, Public Law 85, 814, Congress, as amended) IMPORTANT—Please read instructions on reverse side

PART I—IDENTIFYING INFORMATION

1. ADDRESS OF VETERAN (Street or Post Office Box)		2. CLAIM NO.	
VETERAN ENROLLMENT		PL 550 PL 894 PL 634	
3. ADDRESS OF SCHOOL OR TRAINING ESTABLISHMENT		4. TRAINING STATUS CHANGE (Check one)	
Fall Quarter 1957		<input type="checkbox"/> RE-ENTRANCE <input checked="" type="checkbox"/> CHANGE IN TRAINED WORKER OR TRAINEE PAY RATE <input type="checkbox"/> CHANGE IN CREDIT HOURS OR CLOCK HOURS ATTENDANCE	

PART II—VETERAN'S CERTIFICATION ON REENTRANCE INTO TRAINING

5. COMMENCEMENT DATE OF REENTRANCE INTO TRAINING		6. DATE OF 1390 FOR ORDINARY SCHOOL YEAR. DO YOU WITH THE VETERANS ADMINISTRATION TO CHANGE YOUR ENTRY POINT AN ADDITIONAL DAY FOR EACH SLIP? SUCH EX-	
Winter Quarter 1957-58		492 7 8	
Spring Quarter 1958		492 8 7	
7. COURSE OR ANY PART THEREOF BY WHICH YOU WERE ENROLLING		8. DO YOU WISH TO BE PAID SUBSISTENCE ALLOWANCE?	
First Summer Session 1958		<input type="checkbox"/> YES <input checked="" type="checkbox"/> NO 254	
Second Summer Session 1958		239	
9. IS CALENDAR DAYS WITH APPROVED ATTENDANCE MAY BE CREDITED TO YOUR ENROLLMENT		10. DEPENDENTS ACQUIRED SINCE LAST ENROLLMENT. (List names, birth dates, and relationship to veteran before payment on behalf of dependents may be received)	
Fall Quarter 1958		<input type="checkbox"/> NONE <input type="checkbox"/> WIFE <input type="checkbox"/> CHILD <input type="checkbox"/> 2 PERCENT	
Winter Quarter 1958-59		458 7 8	
Spring Quarter 1959		439 7 9	
First Summer Session 1959		420 7 11	
Second Summer Session 1959		204 4 2	
11. I certify that I am not in a criminal offense and may result in forfeiture of these or other benefits.		12. AVERAGE MONTHLY COMPENSATION (See instructions on reverse side)	
Fall Quarter 1959		172 4 1	
Winter Quarter 1960		292 4 16	
Spring Quarter 1960		298 2 20	

13. CERTIFICATION BY SCHOOL OR TRAINING ESTABLISHMENT		14. TOTAL LENGTH OF COURSE	
13A. EFFECTIVE DATE FOR WHICH CERTIFICATION IS MADE		<input type="checkbox"/> LESS THAN 30 WEEKS <input checked="" type="checkbox"/> 30 WEEKS OR MORE 157	
13B. PERIOD OF INSTRUCTION (Check applicable entry)		15. IF VETERAN COMMENCED TRAINING UNDER THIS CERTIFICATION	
Fall Quarter 1960		2	
Winter Quarter 1961		2	
Spring Quarter 1961		2	
16. DO CUSTOMARY CHARGES EXCEED THE RATE OF \$500 FOR FULL-TIME COURSE FOR ORDINARY SCHOOL YEAR?		17. ESTIMATED TOTAL CUSTOMARY CHARGES FOR THIS PERIOD OF ENROLLMENT	
<input type="checkbox"/> YES <input checked="" type="checkbox"/> NO 180		1 22	
18. IF YES, LIST CHARGES IN ADDITIONAL SPACE PROVIDED		19. IF YES, LIST CHARGES IN ADDITIONAL SPACE PROVIDED	
165		2 21	

20. SIGNATURE OF VETERAN (Do not print)		21. SIGNATURE OF SCHOOL OR TRAINING ESTABLISHMENT	
Fall Quarter 1959		Winter Quarter 1961	
Winter Quarter 1960		Spring Quarter 1961	

22. SIGNATURE OF SCHOOL OR TRAINING ESTABLISHMENT		23. SIGNATURE OF VETERAN	
Fall Quarter 1960		Winter Quarter 1961	
Spring Quarter 1961		Summer Session 1961	

24. SIGNATURE OF SCHOOL OR TRAINING ESTABLISHMENT		25. SIGNATURE OF VETERAN	
Fall Quarter 1961		Winter Quarter 1962	
Spring Quarter 1962		Summer Session 1962	

26. SIGNATURE OF SCHOOL OR TRAINING ESTABLISHMENT		27. SIGNATURE OF VETERAN	
Fall Quarter 1962		Winter Quarter 1963	
Spring Quarter 1963		Summer Session 1963	

28. SIGNATURE OF SCHOOL OR TRAINING ESTABLISHMENT		29. SIGNATURE OF VETERAN	
Fall Quarter 1963		Winter Quarter 1964	
Spring Quarter 1964		Summer Session 1964	

VETERANS ADMINISTRATION

CERTIFICATION OF REENTRANCE OR CHANGE OF TRAINING STATUS

(Under Title II, Public Law 346, 78th Congress, as amended) (IMPORTANT—Please read Instructions on reverse side)

PART I—IDENTIFYING INFORMATION

1. ADDRESS OF VETERAN (Print or type)	2. CLAIM NO. C-
3. ADDRESS OF SCHOOL OR TRAINING ESTABLISHMENT	4. TRAINING STATUS CHANGE (Check one) <div style="display: flex; justify-content: space-around;"> <div><input type="checkbox"/> REENTRANCE</div> <div><input type="checkbox"/> CHANGE IN TRAINED WORKER OR TRAINEE PAY RATE</div> <div><input type="checkbox"/> CHANGE IN CREDIT HOURS OR CLOCK HOURS ATTENDANCE</div> </div>

PART II—VETERAN'S CERTIFICATION UPON REENTRANCE INTO TRAINING

5. COMMENCED TRAINING UNDER CERTIFICATION	6. IF CUSTOMARY CHARGES EXCEED RATE OF \$500 FOR ORDINARY SCHOOL YEAR, DO YOU WISH THE VETERANS ADMINISTRATION TO PAY EXCESS COSTS AND TO CHARGE YOUR ENTITLEMENT AN ADDITIONAL DAY FOR EACH \$2.10 OF SUCH EXCESS COSTS? <input type="checkbox"/> YES <input type="checkbox"/> NO <small>(Note: This government will be effective only for this period of enrollment.)</small>
7. COURSE OR ANY PART THEREOF BY CORRESPONDENCE? <input type="checkbox"/> NO <small>NOTE.—No subsistence allowance is paid for correspondence courses.</small>	8. DO YOU WISH TO BE PAID SUBSISTENCE ALLOWANCE? <input type="checkbox"/> YES <input type="checkbox"/> NO <small>(If "yes," complete items 10, 11, or 12, as applicable)</small>
9. F 15 CALENDAR DAYS WITH APPROPRIATE SUBSISTENCE ALLOWANCE MAY BE PAID AT THE END OF PRESENT ENROLLMENT. LEAVE WILL REDUCE ENTITLEMENT WHICH YOU REMAINED IN ATTENDANCE. DO YOU WISH THIS LEAVE? <input type="checkbox"/> NO	10. DEPENDENTS ACQUIRED SINCE LAST ENROLLMENT. (Documentary evidence must be submitted before payments on behalf of dependents may commence) <input type="checkbox"/> NONE <input type="checkbox"/> WIFE <input type="checkbox"/> CHILD <input type="checkbox"/> DEPENDENT PARENT
11. AVERAGE MONTHLY COMPENSATION (4 1/2 weeks. If none, write "NONE") \$	12. AVERAGE MONTHLY COMPENSATION (4 1/2 weeks. If none, write "NONE") \$

I estimate my average monthly compensation from productive labor during current enrollment will be amount shown above. Pay for overtime beyond the standard workweek is not included. I agree to report to the Veterans Administration my compensation from productive labor plus subsistence allowance to legal limit for payment of full subsistence allowance.

I estimate my average monthly compensation from productive labor during next 4-month period will be amount shown above. This estimate includes all wages, salary, commission, bonuses, or other payments for productive labor performed in the training establishment or otherwise. Pay for overtime beyond the standard workweek is not included.

I accept and will not accept any nonexpendable supplies (books, tools, etc.) issued by the school at Veterans Administration expense which duplicates supplies previously furnished me at Veterans Administration expense and not returned to the Veterans Administration or paid for, or which duplicate supplies otherwise session.

THAT the above statements made in connection with my application for education or training under Public Law 346, are true and correct to the best of my knowledge and belief.

SIGNED _____

14. SIGNATURE OF VETERAN (Do not print)
SIGN HERE IN INK

—Willful false statement as to a material fact in a claim for education or training is a criminal offense and may result in forfeiture of these or other benefits.

PART III—CERTIFICATION BY SCHOOL OR TRAINING ESTABLISHMENT

A—TO BE COMPLETED BY SCHOOLS

16. TOTAL LENGTH OF COURSE <input type="checkbox"/> LESS THAN 30 WEEKS <input type="checkbox"/> 30 WEEKS OR MORE	17. DATE VETERAN COMMENCED TRAINING UNDER THIS CERTIFICATION		
18A. EFFECTIVE DATES OF PERIOD OF INSTRUCTION FOR WHICH CERTIFICATION IS MADE <table style="width: 100%;"> <tr> <td style="width: 50%;">BEGINNING</td> <td style="width: 50%;">ENDING</td> </tr> </table>		BEGINNING	ENDING
BEGINNING	ENDING		
18B. PERIOD OF INSTRUCTION (Check applicable boxes) <input type="checkbox"/> OTHER (Specify) <input type="checkbox"/> SCHOOL YEAR <input type="checkbox"/> QUARTER <input type="checkbox"/> SEMESTER <input type="checkbox"/> SUMMER SESSION	19B. CLOCK-HOURS OF ATTENDANCE PER WEEK (If applicable)		
20. DO CUSTOMARY CHARGES EXCEED THE RATE OF \$500 FOR FULL-TIME COURSE FOR ORDINARY SCHOOL YEAR? <input type="checkbox"/> YES <input type="checkbox"/> NO	21. ESTIMATED TOTAL CUSTOMARY CHARGES FOR THIS PERIOD OF ENROLLMENT \$		
<small>NOTE.—If customary charges exceed \$500 for full-time course for ordinary school year, the Veterans Administration cannot pay the excess unless veteran elects, by an affirmative answer to item 6, to have his entitlement charged accordingly. The Veterans Administration cannot pay more than \$500 for any course of less than 30 weeks. If veteran pursues flight training in connection with academic course, full details must be attached hereto.</small>			
22. ONE COMPLETE CYCLE OF COOPERATIVE COURSE INCLUDES <table style="width: 100%;"> <tr> <td style="width: 50%;">CLASSROOM INSTRUCTION (In calendar weeks)</td> <td style="width: 50%;">TRAINING ON-THE-JOB (In calendar weeks)</td> </tr> </table>		CLASSROOM INSTRUCTION (In calendar weeks)	TRAINING ON-THE-JOB (In calendar weeks)
CLASSROOM INSTRUCTION (In calendar weeks)	TRAINING ON-THE-JOB (In calendar weeks)		
23. ESTIMATED WEEKLY INCOME FROM JOB TRAINING \$			

I certify that the veteran named herein commenced training in a new training status at this approved school as shown above, AND THAT the enrollment of this veteran does not exceed the limit (if any) established by the State approval agency for enrollment in this course at any one time.

25. SIGNATURE AND TITLE OF CERTIFYING OFFICIAL
SIGN HERE IN INK

PART III (Continued)

B—TO BE COMPLETED BY CORRESPONDENCE SCHOOL WHEN COURSE IS CORRESPONDENCE ONLY

OF COURSE	27. REMAINING NUMBER OF LESSONS TO BE COMPLETED	28. DATE VETERAN COMMENCED TRAINING UNDER THIS CERTIFICATION
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BEY CERTIFIED THAT the veteran named herein commenced training in a new training status at this approved correspondence school as shown above.

30. SIGNATURE AND TITLE OF CERTIFYING OFFICIAL

SIGN
HERE
IN INK

C—TO BE COMPLETED BY ESTABLISHMENT OFFERING TRAINING ON-THE-JOB

OF POSITION, OBJECTIVE, OR TRADE FOR WHICH VETERAN IS BEING TRAINED	32. LENGTH OF COURSE APPROVED FOR THIS VETERAN (In months)	33. DATE VETERAN COMMENCED TRAINING UNDER THIS CERTIFICATION
---	--	--

ER OF HOURS EMPLOYED PER	35. APPRENTICESHIP? <input type="checkbox"/> YES <input type="checkbox"/> NO	36. BEGINNING RATE OF PAY FOR TRAINED WORKER IN POSITION FOR WHICH VETERAN IS TO BE TRAINED (Standard workweek, exclusive of overtime)
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37. SCHEDULE OF RATE OF PAY FOR THIS VETERAN (Standard workweek, exclusive of overtime)	STANDARD WORK-WEEK (Hours)	RATE OF PAY	RATE (Check one)																						
<table border="1"> <tr> <td>PERIODS</td> <td>RATE</td> <td>EFFECTIVE DATE</td> </tr> <tr> <td>G NOW</td> <td></td> <td></td> </tr> <tr> <td>T SCHEDULED INCREASE</td> <td></td> <td></td> </tr> <tr> <td>SCHEDULED INCREASE</td> <td></td> <td></td> </tr> <tr> <td>SCHEDULED INCREASE</td> <td></td> <td></td> </tr> <tr> <td>H SCHEDULED INCREASE</td> <td></td> <td></td> </tr> </table>	PERIODS	RATE	EFFECTIVE DATE	G NOW			T SCHEDULED INCREASE			SCHEDULED INCREASE			SCHEDULED INCREASE			H SCHEDULED INCREASE			<table border="1"> <tr> <td>RATES (Check one)</td> </tr> <tr> <td> <input type="checkbox"/> PER HOUR <input type="checkbox"/> PER WEEK <input type="checkbox"/> PER MONTH (4 1/2 weeks) </td> </tr> </table>	RATES (Check one)	<input type="checkbox"/> PER HOUR <input type="checkbox"/> PER WEEK <input type="checkbox"/> PER MONTH (4 1/2 weeks)	<table border="1"> <tr> <td> <input type="checkbox"/> PER HOUR <input type="checkbox"/> PER WEEK <input type="checkbox"/> PER MONTH (4 1/2 weeks) </td> </tr> </table>	<input type="checkbox"/> PER HOUR <input type="checkbox"/> PER WEEK <input type="checkbox"/> PER MONTH (4 1/2 weeks)	<table border="1"> <tr> <td> \$ </td> </tr> </table>	\$
PERIODS	RATE	EFFECTIVE DATE																							
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RATES (Check one)																									
<input type="checkbox"/> PER HOUR <input type="checkbox"/> PER WEEK <input type="checkbox"/> PER MONTH (4 1/2 weeks)																									
<input type="checkbox"/> PER HOUR <input type="checkbox"/> PER WEEK <input type="checkbox"/> PER MONTH (4 1/2 weeks)																									
\$																									

38. ESTIMATED AVERAGE MONTHLY COMPENSATION TO BE PAID THIS VETERAN DURING NEXT 4-MONTH PERIOD
\$

NOTE.—The above estimate includes all salary, wages, bonuses, commission, a reasonable value for food, fuel, and shelter, if to be provided, and other payments to veteran by reason of his employment with this firm. Pay for overtime beyond the standard workweek is not included.

Establishment has not issued and will not knowingly issue at Veterans Administration expense any nonexpendable supplies (books, tools, etc.) which duplicate previously furnished the veteran at Veterans Administration expense and not returned by him to the Veterans Administration or paid for, or which duplicate otherwise in his possession.

BEY CERTIFIED THAT the veteran named herein commenced training in a new training status at this approved establishment as shown above, AND THAT the amount of this veteran does not exceed the limit (if any) established by the State approval agency for enrollment in this course at any one time.

40. SIGNATURE AND TITLE OF CERTIFYING OFFICIAL

SIGN
HERE
IN INK

REMARKS:

NOTE.—This certification by the training institution or establishment becomes the basis for payment of all training benefits to, and in behalf of, this veteran. Therefore, imperative that the data contained herein be accurate in every respect and that the trainer notify the Veterans Administration promptly if this veteran is discharged, discontinued, or modifies the course of training described above in such a way as to affect the charges against his period of entitlement, subsistence allowance, etc.

INSTRUCTIONS

GENERAL.

Print all entries. This form will be used for reentrances into training same course and the same institution and for changes in training status including entrance or reentrance. It is important to submit this form promptly so the veteran will receive his subsistence allowance and the school or training establishment will receive tuition or instructional costs after proper voucher.

RE-ENTRANCE.

Do not use this form when veteran reenters on basis of supplemental training.

Schools (except correspondence). Veteran completes Part II, the school completes Part I and Section A of Part III.

Correspondence Schools. Veteran completes Part II, the correspondence school completes Part I and Section B of Part III.

On-the-Job-Training. Veteran completes Part II, the training establishment completes Part I and Section C of Part III.

3. REPORT OF CHANGES AFFECTING VETERAN'S TRAINING.

(a) Where there is a change only in semester-hour credits or clock-hours of attendance such changes will be reported by the schools executing Part I and items 17, 18A, 18B, 19A, or 19B as applicable, 19C, 20, 21, 24, and 25 of Section A, Part III. If this change involves excess costs which the veteran desires the Veterans Administration to pay, the veteran must complete items 5, 6, 13, and 14 of Part II. If veteran is pursuing cooperative course, item 22 or 23 of Section A should be completed as applicable. (Institutions of higher learning will not be required to report those changes within the veteran's course made in accordance with the provisions of R and PR-10307(A) (1) where such changes do not affect the amount of subsistence allowance payments or the rate at which the veteran's entitlement is charged.)

(b) Authorized changes in trained-worker and/or trainee rates of pay will be reported by the job-training establishment executing Part I and items 33, 34, 36, and/or 37 as applicable, 39 and 40 in Section C of Part III. Any change in the trained-worker or trainee rate of pay not specifically provided for in the training agreement signed by the training establishment and the State approving agency must be approved by the State approving agency.

VETERANS ADMINISTRATION
ENROLLMENT CERTIFICATION
(Under Title II, Public Law 550, 82d Congress)

IMPORTANT: This form is to be completed and forwarded **PROMPTLY** to the Veterans Administration by the school or training establishment at the time the veteran enrolls or reenrolls. **TYPE OR PRINT** all entries in **INK**. **PROMPT** submission will enable the Veterans Administration to initiate action in connection with the payment of the education and training allowance to the veteran.

INSTRUCTIONS: a. This form will be used to certify a veteran's enrollment or reenrollment in the course of training approved on VA Form 7-1993, Certificate for Education and Training.

b. Reports of unsatisfactory conduct or progress, interruption or termination of training, or changes in the veteran's training load which affect his entitlement or his education and training allowance must be made promptly by the school or establishment on the appropriate periodic certification of training, VA Form 7-1996 series.

PART I—IDENTIFYING INFORMATION
TO BE COMPLETED BY THE SCHOOL OR TRAINING ESTABLISHMENT IN EVERY CASE

1. LAST NAME—FIRST NAME—MIDDLE INITIAL OF VETERAN	2. CLAIM NO. C-
3. ADDRESS OF VETERAN	4. VA OFFICE WHICH ISSUED VETERAN'S CERTIFICATE (<i>Answer only if different from the VA Regional Office in your area</i>)
5. NAME AND ADDRESS OF SCHOOL OR TRAINING ESTABLISHMENT	

PART II—TO BE COMPLETED BY SCHOOLS
(The school will complete Section A, part II, in EVERY case and in addition will complete that section appropriate to the type of course in which the veteran is enrolled.)

SECTION A—TO BE COMPLETED FOR ALL SCHOOL COURSES

6. NAME OF COURSE OR CURRICULUM CURRENTLY ENROLLED IN (<i>Examples: A. B. Liberal Arts, B. S. Engineering, Pre-Law, etc.</i>)	7. DATE VETERAN COMMENCED TRAINING UNDER THIS CERTIFICATION
<p>NOTE: Item 8 should be filled out the FIRST TIME the veteran enrolls in your school. DO NOT fill out when certifying subsequent reenrollments UNLESS the veteran is changing to a different course or he has been enrolled in some other school since last enrolled in your school.</p>	
8. CREDIT ALLOWED FOR VETERAN'S PREVIOUS EDUCATION AND TRAINING (<i>Indicate credit hours where appropriate. For other courses, indicate extent training period shortened because of previous training. If none, state "None."</i>)	

SECTION B—TO BE COMPLETED FOR ALL SCHOOL COURSES EXCEPT COOPERATIVE COURSES, INSTITUTIONAL ON-FARM COURSES, CORRESPONDENCE COURSES, AND FLIGHT COURSES

9. PERIOD OF INSTRUCTION FOR WHICH CERTIFICATION IS BEING MADE <input type="checkbox"/> SCHOOL YEAR <input type="checkbox"/> SEMESTER <input type="checkbox"/> QUARTER <input type="checkbox"/> SUMMER SESSION <input type="checkbox"/> DURATION OF COURSE <input type="checkbox"/> OTHER (<i>Specify</i>)		EFFECTIVE DATES FOR PERIOD OF INSTRUCTION INDICATED IN ITEM 9 10A. BEGINNING 10B. ENDING		
11A. SEMESTER HOUR CREDITS (<i>To be completed for all courses except graduate or advanced professional courses. If enrolled for school year, enter hours during first period of instruction. If course includes noncredit deficiency courses complete items 11B and 11C. If enrolled for summer session, complete item 11D.</i>) SEM. HRS.		11B. EXACT NUMBER SEMESTER HRS. FOR WHICH CRDT. GRANTED HRS.	11C. CREDIT HR. EQUIV. OF NON-CRDT. DEFICIENCY COURSES HRS.	11D. STANDARD CLASS SESSIONS PER WK. (<i>Summer sess. only</i>)
CLOCK HOURS OF ATTENDANCE 12A. NUMBER HOURS PER DAY 12B. NUMBER DAYS PER WEEK HRS. DAYS		13. NONACCREDITED COURSES (<i>Check days of attendance if other than 5 days per week and regularly scheduled</i>) <input type="checkbox"/> M <input type="checkbox"/> TU <input type="checkbox"/> W <input type="checkbox"/> TH <input type="checkbox"/> F <input type="checkbox"/> S		
14. TRAINING TIME (<i>Check if graduate, advanced professional, or summer session</i>) <input type="checkbox"/> FULL TIME <input type="checkbox"/> 3/4 <input type="checkbox"/> 1/2 <input type="checkbox"/> LESS THAN 1/2		CHARGES FOR PERIOD OF INSTRUCTION SHOWN IN ITEMS 10A AND 10B (<i>Complete items 15A and 15B only when course is less than 1/2 time</i>) 15A. TUITION 15B. FEES \$ \$		

SECTION C—COOPERATIVE COURSES

16A. PERIOD OF INSTRUCTION FOR WHICH CERTIFICATION IS BEING MADE <input type="checkbox"/> SCHOOL YEAR <input type="checkbox"/> SEMESTER <input type="checkbox"/> QUARTER <input type="checkbox"/> SUMMER SESSION <input type="checkbox"/> OTHER (<i>Specify</i>)					
EFFECTIVE DATES FOR PERIOD OF INSTRUCTION INDICATED IN ITEM 16A		ONE COMPLETE CYCLE OF COOPERATIVE COURSE (<i>In calendar weeks</i>)		CLASSROOM INSTRUCTION	
16B. BEGINNING	16C. ENDING	16D. CLASSROOM INSTRUCTION	16E. TRAINING ON-JOB	16F. SEMESTER HR. CREDITS	16G. CLOCK HRS. ATTENDANCE PER WEEK
16H. NO. OF HRS. EMPLOYED PER WEEK IN TRAINING ON-JOB					

SECTION D—INSTITUTIONAL ON-FARM COURSES			
17. LENGTH OF PROGRAM APPROVED FOR THIS VETERAN (<i>In months</i>) <div style="text-align: right;">MOS.</div>	EFFECTIVE DATES OF PERIOD OF INSTRUCTION FOR WHICH THIS CERTIFICATION IS MADE	18A. BEGINNING	18B. ENDING
19. TO YOUR KNOWLEDGE DOES THIS PROGRAM OF TRAINING REPEAT OR DUPLICATE ANY TRAINING PREVIOUSLY RECEIVED BY THE VETERAN? <input type="checkbox"/> YES <input type="checkbox"/> NO	20. HAS THIS VETERAN'S TRAINING PROGRAM BEEN PLANNED TO MEET HIS INDIVIDUAL NEEDS AS REQUIRED BY LAW? <input type="checkbox"/> YES <input type="checkbox"/> NO	21. WILL THE VETERAN'S FARM AND TRAINING PROGRAM REQUIRE HIS FULL TIME? <input type="checkbox"/> YES <input type="checkbox"/> NO	
SECTION E—CORRESPONDENCE COURSES			
22. NUMBER OF LESSONS FOR WHICH VETERAN IS ENROLLED	23. CHARGES PER LESSON \$		
SECTION F—FLIGHT COURSES			
24. EXPECTED COMPLETION DATE OF COURSE	25. TOTAL TUITION CHARGES FOR THE COURSE \$		
PART III—TO BE COMPLETED BY TRAINING ESTABLISHMENTS OFFERING APPRENTICE TRAINING OR OTHER TRAINING ON-THE-JOB			
IMPORTANT: A signed copy of the training agreement, including the progressive wage schedule and an outline of the training program which lists the major job operations or the major work tasks and the approximate length of time to be spent on each major job operation or work task, must be submitted to the Veterans Administration with this form.			
26. NAME OF POSITION, OBJECTIVE, OR TRADE FOR WHICH VETERAN IS BEING TRAINED			27. DATE VETERAN COMMENCED OR RECOMMENCED TRAINING.
28. LENGTH OF COURSE APPROVED FOR THIS VETERAN (<i>In months</i>) <div style="text-align: right;">MOS.</div>	29. APPRENTICESHIP <input type="checkbox"/> YES <input type="checkbox"/> NO	30A. NO. OF HOURS VETERAN IS EMPLOYED PER WEEK IN THIS COURSE <div style="text-align: right;">HRS.</div>	30B. NO. OF HOURS IN STANDARD WORK WEEK (<i>If apprenticeship, give No. of hrs. per week contracted by labor and management.</i>) <div style="text-align: right;">HRS.</div>
31. CREDIT ALLOWED FOR VETERAN'S PREVIOUS TRAINING AND JOB EXPERIENCE AS OF DATE SHOWN IN ITEM 27 (<i>Indicate extent training period shortened in months, weeks or hours, as appropriate. If none, state "None."</i>)			
32A. VETERAN'S BEGINNING WAGE RATE (<i>Rate paid as of date shown in item 27.</i>) \$	32B. IS TIME AND A HALF OR OTHER INCREASED RATE PAID FOR ANY PART OF THE STANDARD WORK WEEK? <input type="checkbox"/> YES <input type="checkbox"/> NO (<i>If "Yes," give full particulars in item 35, "Remarks."</i>)		
PART IV—TO BE COMPLETED BY ALL SCHOOLS AND TRAINING ESTABLISHMENTS IN EVERY CASE			
IT IS HEREBY CERTIFIED: (1) That the veteran named herein commenced training at this approved educational institution or training establishment on the date indicated and in accordance with the facts shown above; (2) That the enrollment of this veteran does not exceed the limit (if any) established by the State Approving Agency for enrollment in this course at any one time; and (3) That, if the course named above is a nonaccredited course below the college level offered by a proprietary profit or proprietary nonprofit educational institution, on the date indicated in Item 7 not more than 85% of the students now enrolled in the course for which enrollment certifications have been submitted to the Veterans Administration, including this veteran, are having all or any part of their tuition, fees, or other charges paid to or for them by the educational institution or the Veterans Administration under Part VII or Part VIII of Veterans Regulation No. 1 (a) or Public Law 550, 82d Congress.			
33. DATE SIGNED	34. SIGNATURE AND TITLE OF CERTIFYING OFFICIAL		
CAUTION: Willful false statements concerning matters in any document required by this law may subject the person to fine or imprisonment, or both.			
35. REMARKS			(FOR VA USE ONLY) EFFECTIVE DATE OF APPROVAL DATE APPROVAL CHECKED CERTIFIED BY

VETERANS ADMINISTRATION
MONTHLY CERTIFICATION OF TRAINING-
ACCREDITED COURSES AND INSTITUTIONAL ON-FARM COURSES

(UNDER TITLE II, PUBLIC LAW 550, 82d CONGRESS)

IMPORTANT - Please read instructions on reverse before completing this form. Type or print all entries in ink.

SECTION A—CERTIFICATION BY VETERAN

1. LAST NAME-FIRST NAME-MIDDLE INITIAL OF VETERAN		2. CLAIM NO. C-	3. REPORT FOR PERIOD	
ADDRESS TO WHICH CHECKS AND CORRESPONDENCE SHOULD BE MAILED (Complete this item only if address has changed. See instruction 7 on reverse.)			FROM	TO
A. ARE YOU STILL ENROLLED IN AND PURSUING YOUR COURSE?		5B. LAST DATE OF ATTENDANCE (Complete only if item 5A is answered "No")		
<input type="checkbox"/> YES <input type="checkbox"/> NO				
A. HAVE YOU BEEN ON ACTIVE DUTY IN THE ARMED FORCES DURING THIS PERIOD?		6B. DATE COMMENCED ACTIVE DUTY IN ARMED FORCES		
<input type="checkbox"/> YES <input type="checkbox"/> NO (If "Yes," complete item 6B.)				
A. DO YOU STILL HAVE THE SAME NUMBER OF DEPENDENTS PREVIOUSLY CLAIMED, IF ANY? (If you claim additional dependents, proof of dependency will be required. See instruction 5 on reverse.)				
<input type="checkbox"/> YES <input type="checkbox"/> NO (If "No," explain.)				

NOTE.—If this is a claim for an additional dependent by reason of marriage, fill in items 7B and 7C.

7B. HAVE YOU HAD ANY PREVIOUS MARRIAGES?	7C. HAS YOUR SPOUSE HAD ANY PREVIOUS MARRIAGES?
<input type="checkbox"/> YES <input type="checkbox"/> NO	<input type="checkbox"/> YES <input type="checkbox"/> NO
9. SIGNATURE OF VETERAN (Do not print. Do not sign this certification before completing all applicable items and assuring the accuracy of each.) SIGN HERE IN INK	

SECTION B—CERTIFICATION BY INSTITUTION (See instructions 3, 4, and 6 on reverse)

IT IS HEREBY CERTIFIED THAT (except as explained in "REMARKS" below):

- (1) During the period shown above this veteran was enrolled in and pursued his approved program of education and training.
- (2) His conduct and progress are satisfactory according to the established standards and practices of this institution.
- (3) His program of education and training and the pursuit thereof continue to meet the requirements of applicable VA Regulations.
- (4) There have been no changes in the veteran's enrollment status as certified to the VA at the time of his enrollment.

3. REMARKS

11. NAME AND ADDRESS OF SCHOOL	12. DATE SIGNED	13. SIGNATURE AND TITLE OF CERTIFYING OFFICIAL

CAUTION—Willful false statements concerning any claim for benefits of this law may result in the forfeiture of these and other benefits, and fine or imprisonment, or both.

SECTION C—FOR VA USE

TYPE OF ACTION (Check)	AUTHORITY TO FILE (Initials)	DATE
<input type="checkbox"/> PAYMENT AUTHORIZED <input type="checkbox"/> PAYMENT SUSPENDED		86

INSTRUCTIONS

1. This form must be completed at the end of each calendar month by the veteran and the school or training establishment and forwarded to the VA office where the veteran's records are located. The education and training allowance cannot be paid for any month until this form, completed for that month, is received by the VA. If this form is not received in the VA within 10 days after the end of the month, the education and training allowance may not be paid until the following month. The veteran should not inquire about his check for at least 20 days after this form is forwarded to the VA. The veteran's program of education and training will be discontinued by the VA if no reports are received for two consecutive months.

2. If the veteran commences training on or after the 20th of the month, the certification of training for the rest of that month shall be included in the report for the following month.

3. The school should report (in item 10, "Remarks") all changes in the veteran's enrollment and training status. Examples of such changes are: (a) the veteran's conduct or progress becomes unsatisfactory; (b) the veteran's training is interrupted or discontinued by the veteran or the school at any time during the period for which this certification is being made; (c) the veteran's training load (that is, the semester hours of credit or clock hours of attendance) is changed so as to affect the payment of the education and training allowance or the rate at which the veteran's entitlement is charged.

4. If the veteran is taking his course on less than a one-half time basis, any change in the semester hours of credit or clock hours of attendance or in the established charges for tuition and fees for the course should be reported to the VA. (Not applicable in Institutional On-Farm Course.)

5. The veteran should list under item 7A any additional dependents acquired. Increased education and training allowance because of additional dependents cannot be paid until the veteran submits to the VA proof of relationship and dependency. Birth certificates submitted as evidence of dependency must show the names of both parents. Any changes in the status of dependents previously claimed should also be reported under item 7A, e. g., where the previously established dependency of a parent ceases to exist.

6. If the veteran is taking a course of institutional on-farm training, the school should notify the VA (in item 10, "Remarks") to interrupt or terminate the veteran's training in any case where (a) the veteran ceases to devote full time and attention to his farm or (b) the veteran ceases to have managerial control of his farm as required by law or (c) the veteran absents himself from his farm thereby making himself unavailable for the prescribed individual instruction or he fails to attend the prescribed classes for group instruction at the school.

7. After the initial award of benefits has been made, the veteran's address on VA records is changed only upon receipt of a request from the veteran. If your present address is different from the one previously given the VA you should show your new address in item 4. Your VA records will be changed accordingly. Temporary changes of address for periods of less than 30 days need not be reported. If you move from the area served by the VA regional office where your records are located, the change of address should be reported on VA Form 4-572, Request for Change of Address, which may be obtained from your place of training or from any VA office.

VETERANS ADMINISTRATION

REQUEST FOR CHANGE OF PROGRAM OR CHANGE OF PLACE OF TRAINING

(Under Provisions of Chapter 33, Title 38, U.S. Code)

INSTRUCTIONS TO VETERAN.—Read information on reverse before completing form.

SECTION A—GENERAL INFORMATION

1. NAME OF VETERAN (Last—First—Middle initial)		2. MAILING ADDRESS OF VETERAN	3. CLAIM NO. C—
4. LOCATION OF RECORDS (Address of VA Office)		5A. ARE YOU NOW ON ACTIVE DUTY IN THE ARMED FORCES? <input type="checkbox"/> Yes <input type="checkbox"/> NO (If "yes," answer 5B)	5B. DATE COMMENCED ACTIVE DUTY
6. REASON FOR LEAVING PREVIOUS COURSE OR PLACE OF TRAINING	7A. DO YOU EXPECT TO RECEIVE EDUCATIONAL BENEFITS FROM ANY OTHER AGENCY OF THE FEDERAL GOVERNMENT DURING THIS NEW PERIOD OF TRAINING? <input type="checkbox"/> YES <input type="checkbox"/> NO (If "yes," explain in Item 7B)	7B. NATURE AND EXTENT OF OTHER FEDERAL BENEFITS	
8. ON WHAT DATE DO YOU PLAN TO RESUME YOUR EDUCATION OR TRAINING, IF APPROVED?	9A. PRESENT DEPENDENTS (Check and complete all applicable items. One certified copy of public record of marriage, birth of child, or proof of dependency of parent or husband required if not already submitted.) <input type="checkbox"/> NONE <input type="checkbox"/> WIFE <input type="checkbox"/> CHILDREN (Specify No.) <input type="checkbox"/> DEPENDENT HUSBAND <input type="checkbox"/> PARENTS (Specify No.)		
NOTE: If you are submitting proof of marriage fill in items 9B and 9C. ►	9B. HAVE YOU HAD ANY PREVIOUS MARRIAGES? <input type="checkbox"/> YES <input type="checkbox"/> NO	9C. HAS YOUR SPOUSE HAD ANY PREVIOUS MARRIAGES? <input type="checkbox"/> YES <input type="checkbox"/> NO	

SECTION B—REQUEST FOR CHANGE OF PLACE OF TRAINING (To continue same program)

10. NAME AND ADDRESS OF SCHOOL OR TRAINING ESTABLISHMENT WHERE YOU WISH TO CONTINUE YOUR PROGRAM	11. NAME THE COURSE OR CURRICULUM YOU WISH TO TAKE AT THE NEW PLACE OF TRAINING
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SECTION C—REQUEST FOR CHANGE OF PROGRAM OF EDUCATION OR TRAINING

12. DO YOU WISH TO HAVE EDUCATIONAL OR VOCATIONAL COUNSELING FROM THE VA? <input type="checkbox"/> YES <input type="checkbox"/> NO (If "No," fill out items 13 thru 15)		(FOR VA USE ONLY)
13. WHAT IS YOUR NEW EDUCATIONAL, PROFESSIONAL, OR VOCATIONAL GOAL OR OBJECTIVE?		
14. DESCRIBE THE PROGRAM YOU WISH TO TAKE IN REACHING YOUR NEW OBJECTIVE	15. NAME AND ADDRESS OF THE SCHOOL OR TRAINING ESTABLISHMENT WHERE YOU WISH TO TAKE YOUR PROGRAM	EFFECTIVE DATE OF APPROVAL
		DATE APPROVAL CHECKED
		CERTIFIED BY

HEREBY CERTIFY that the above statements are true and correct to the best of my knowledge and belief.

16. DATE SIGNED	17. SIGNATURE OF VETERAN (Do not print) SIGN HERE IN INK
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CAUTION.—Willful false statements as to a material fact in connection with a claim for education and training is a punishable offense and may result in the forfeiture of those or other benefits or in criminal penalties.

FOR USE OF VETERANS ADMINISTRATION ONLY

18. DATE OF RECEIPT STAMP	ACTION ON REQUEST <input type="checkbox"/> APPROVED <input type="checkbox"/> DISAPPROVED (Give reasons under "Remarks")
	REMARKS
19. DATE	SIGNATURE OF AUTHORIZING OFFICIAL 88

INSTRUCTIONS TO VETERAN

1. RESTRICTIONS ON CHANGES OF PROGRAM.—The law places certain restrictions on changes of program. You should not make any actual change until you receive VA approval of that change on VA Form 22-1993.

2. COUNSELING.—It is important that you plan your program with great care since the VA may not approve more than one change of program under any circumstances. If you want counseling to help you decide whether to change your program, or to help you select a suitable program, you should check "yes" in Item 12, and omit entries in Items 13 through 15.

- a. In some situations, you are required by law to appear personally for counseling before we can take final action on your request for a change of program. We will notify you if counseling is required.
- b. Counseling is not available in foreign countries, except in the Republic of the Philippines.

3. OBJECTIVE AND PROGRAM.—If you do not want counseling before you decide on your new program of education or training, complete Items 13 and 14 as explained below:

- a. In Item 13 show the final educational, professional, or vocational goal or objective for which you expect to qualify. This means the goal you expect to reach by completing your training program. Your goal or objective may be stated in terms of a profession, trade, or vocation, or in terms of an educational goal such as a high-school diploma or college degree. If your goal is educational, you should list as your objective the highest degree you wish to receive.
- b. In Item 14 describe your complete program as follows:

COLLEGE OR UNIVERSITY PROGRAM.—State the curriculum or curricula to which you would like to change, such as Bachelor of Science, Bachelor of Arts, Master of Arts, etc. If you do not plan to take a degree or certificate course, list all the specific subjects you wish to take. If more than one degree is required to reach the degree listed in Item 11, name each curriculum required.

EDUCATIONAL PROGRAM IN OTHER SCHOOL, (such as high school, business school, vocational or

trade school, or any other school).—List the course or courses you plan to take by the exact names as given in the school literature.

APPRENTICESHIP OR OTHER ON-THE-JOB TRAINING, OR A PROGRAM IN A SCHOOL LEADING TO A VOCATIONAL OBJECTIVE.—List your program in terms of the employment objective for which you will train.

4. EXAMPLES OF OBJECTIVE AND PROGRAM DESCRIPTIONS:

- a. Objective ACCOUNTANT, GENERAL, in Item 13, Junior Accounting course in Item 14.
- b. Objective BACHELOR OF LAWS DEGREE in Item 13; Bachelor of Laws degree in Item 14. NOTE.—If you also wish to include a bar review course in your program, you should enter LAWYER as your objective (Item 13), and enter Bachelor of Laws degree and Bar Review course as your program (Item 14).
- c. Objective MACHINIST in Item 13; Machinist Apprenticeship course in Item 14.

5. PROGRAMS WHICH MAY NOT BE APPROVED.

- a. You should not apply for a program leading to an objective for which you are already qualified. The law provides that the VA shall not approve an application for an educational, professional, or vocational objective when the veteran is already qualified for such objective by reason of previous education and training.
- b. The law also prohibits the approval of a program for avocational or recreational purposes. If the course you wish to take is one usually pursued for such purposes, you must submit justification showing the course will be of bona fide use in the pursuit of your present or contemplated business or occupation.

6. DUPLICATION OF BENEFITS PROHIBITED.—If the training for which you are applying is paid for or will be paid for by the United States Government under some other law, either in whole or in part, no allowance may be paid under Chapter 33. Should you expect to receive other Federal assistance, please furnish full details so the VA can inform you of your rights.

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VETERANS ADMINISTRATION
AUTHORIZATION OF EDUCATION AND TRAINING ALLOWANCE
(38 U.S.C. 3021, Pub. Law 550, 82nd Congress)

1 - 4th Ave. S.
Cloud, Minn.

c. 20 861 216

TYPE OF ACTION

1. Original Entrance
2. Termination
3. Reentrance
4. Education and Training Allowance
5. Ending Data Change
6. Monthly Absences or Rate of Reduction
7. Other

REASON FOR ACTION

- A. Commenced Training
- B. Recommended Training
- C. End of Term
- D. Course Completed
- E. Program Completed
- F. Entitlement Exhausted
- G. Change of Program or Objective
- H. Interrupted
- I. Delinquent Certification of Training
- J. Dependency Status Changed
- K. Statutory Ceiling
- L. Periodic Statutory Reduction of Allow.
- M. Entitlement Adjustment
- N. Training Time Changed
- O. Revision of Previous Action
- P. Other

6. REG. NO. AND LOCATION

903F
ST. PAUL, MINN.

5. VOUCHER NO.

7. DATE OF VOUCHER

8. TRAINING OBJECTIVE

Master's Degree

10. OTHER ACTIONS (S-Sup; M-Mid; G-Gen; P-Parent; H-Husband)

9.

11. MONTHLY ALLOWANCE AND TRAINING TIME

MONTHLY ALLOWANCE (C)	TRAINING TIME HOURS (D)	RATE OF REDUCTION FOR EXCESS ABSENCES (E)	TRAINEE WAS RATE (F)
110 ⁰⁰	16 S		
	F		
110 ⁰⁰	8		
	F		
110 ⁰⁰	18	A	
	F		
110 ⁰⁰	8		
	F	A	

IT IS CERTIFIED THAT the finding of fact and law herein is correct and that the person named herein is entitled to benefits under the provisions of Pub. Law 550, 82nd Congress.

APPROVAL DATE (G) SIGNATURE OF AUTHORIZING OFFICER (H)

B 6-15-59
C 8-28-59
B 9-28-59
C 6-9-60
B 6-13-60
C 8-26-60

30-8 12-24-58 J. P. Page
27-24 6-29-59 V. Watson
19-12 10-27-59 J. J. Kuhn
16-28 6-28-60 O. Mather

NAME AND ADDRESS OF VETERAN

Donald Robert Moore
29 Meadow Lane N.
pls., Minn.

NAME AND ADDRESS OF EMPLOYER

St. Cloud State College
St. Cloud, Minn.

DATE OF LAST REPORT

DATE OF THIS REPORT

DATE OF NEXT REPORT

DATE OF NEXT REPORT

DATE OF NEXT REPORT

DATE OF NEXT REPORT

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AUTHORIZATION OF EDUCATION AND TRAINING ALLOWANCE
(Chapter 33, Title 38, U. S. Code)

VETERANS ADMINISTRATION

FINANCE CODE 80

2. CLAIM NO.

c. 17 328 224

3. DES. OFFICE NAME AND LOCATION

9025

4. VETERAN'S NAME

5. VETERAN'S NO.

6. VETERAN'S DATE

7. VETERAN'S DATE

8. VETERAN'S DATE

9. VETERAN'S DATE

10. VETERAN'S DATE

11. VETERAN'S DATE

1. DEPENDENTS (A-Sold; B-Wife; C-Child; D-Parent; E-Other)

2. CLAIM NO.

3. DES. OFFICE NAME AND LOCATION

4. VETERAN'S NAME

5. VETERAN'S NO.

6. VETERAN'S DATE

7. VETERAN'S DATE

8. VETERAN'S DATE

9. VETERAN'S DATE

10. VETERAN'S DATE

11. VETERAN'S DATE

12. VETERAN'S DATE

13. VETERAN'S DATE

14. VETERAN'S DATE

15. VETERAN'S DATE

16. VETERAN'S DATE

17. VETERAN'S DATE

18. VETERAN'S DATE

19. VETERAN'S DATE

20. VETERAN'S DATE

21. VETERAN'S DATE

22. VETERAN'S DATE

23. VETERAN'S DATE

24. VETERAN'S DATE

25. VETERAN'S DATE

26. VETERAN'S DATE

27. VETERAN'S DATE

28. VETERAN'S DATE

29. VETERAN'S DATE

30. VETERAN'S DATE

TYPE OF ACTION CODE

1. Original Entrance
2. Termination
3. Recurrence
4. Education and Training Allowance
5. Ending Date Change
6. Monthly Absence or Rate of Reduction
7. Other

REASON FOR ACTION CODE

- A. Commenced Training
- B. Recommended Training
- C. End of Term
- D. Course Completed
- E. Program Completed
- F. Entitlement Exhausted
- G. Change of Program or Objective
- H. Interrupted
- I. Delinquent Certification of Training
- J. Dependency Status Changed
- K. Statutory Ceiling
- L. Periodic Statutory Reduction of Allow.
- M. Entitlement Adjustment
- N. Training Time Changed
- O. Revision of Previous Action
- P. Other

IT IS CERTIFIED THAT the finding of fact and law herein is correct and that the person named hereon is entitled to benefits under the provisions of Chapter 33, Title 38, U. S. Code.

APPROVAL DATE (C)

SIGNATURE OF AUTHORIZING OFFICER (H)

17	F	A	5-1	10-15-59	R. R. Miley
13-12	12-11-59	C. M. Miley			
14	F				
Dep 5-4-60	5-6	3-4-60			C. M. Miley
10-1	5-11-60	C. M. Miley			

90C

VETERANS ADMINISTRATION

CERTIFICATE FOR EDUCATION AND TRAINING

(Under Title II, Public Law 550, 82d Congress)

<p>NAME AND ADDRESS OF VETERAN</p> <p>Donald K. Boylan Rt. 1, Box 350 Long Lake, Minnesota</p>	<p>2. ENTITLEMENT BASED ON LENGTH OF ELIGIBLE SERVICE (Spell out)</p> <p>TEN MONTHS ZERO DAYS</p> <p>3. CLAIM NO.</p> <p>C- 18 968 884</p> <p>4. TYPE OF CERTIFICATE</p> <p><input type="checkbox"/> ORIGINAL <input checked="" type="checkbox"/> SUPPLEMENTAL</p> <p><input type="checkbox"/> DUPLICATE <input type="checkbox"/> TEMPORARY</p> <p>5. VETERAN'S DELIMITING DATE</p> <p>See Item 8 below</p>
<p>6. PROGRAM OF EDUCATION AND TRAINING</p> <p>M.S. Degree Ph.D.</p>	<p>7. FINAL OBJECTIVE OF VETERAN'S PROGRAM OF TRAINING</p> <p>Ph.D. Degree</p>

This certificate should be shown to the school or establishment at the time you enroll in your program of education or training in order that the school or establishment may know that you expect to be enrolled under the provisions of P. L. 550, 82d Congress. Benefits cannot be authorized until an Enrollment Certification, VA Form VB 7-1999, is completed by the school or establishment and forwarded to the Veterans Administration having jurisdiction over your training.

ADDITIONAL LIMITATIONS

- The veteran's training must be discontinued if he fails to maintain satisfactory conduct and progress.
 - Appropriate credit must be allowed for the veteran's previous education and training.
 - Other—
- This program must be resumed on or before 6-11-61.
- The law does not permit payment for training after 6-10-63.
- Ev. Trng. at State Univ. of Iowa, Iowa City, Ia. for Bachelor's from 6-15-55 to 8-56; Univ. of Minn. for Grad-Ph.D. from 6-24-57 to 6-11-60.

I HEREBY CERTIFY THAT this veteran is eligible for the benefits provided by Title II, Public Law 550, 82d Congress, and is entitled to enroll and pursue the above-named program of education and training for a period not to exceed the period of entitlement shown above.

<p>SIGNED</p> <p>9-60</p>	<p>10. SIGNATURE OF VETERANS ADMINISTRATION AUTHORIZING OFFICER</p> <p><i>F. P. Payne</i></p> <p>F. P. PAYNE</p>
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IMPORTANT NOTICE.—There are restrictions on a change of program and also on the place where the program may be taken. Therefore, if the veteran desires to make a change, he should first obtain clearance from the Veterans Administration by requesting a supplemental certificate. A request for a supplemental certificate should be made on VA Form VB 7-1995.

<p>NAME AND ADDRESS OF SCHOOL OR ESTABLISHMENT</p> <p>St. Cloud State College St. Cloud Minnesota</p>	<p>12. ISSUING OFFICE</p> <p>VA CENTER FORT SNELLING ST. PAUL 11 MINN.</p> <p>91</p>
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IMPORTANT INFORMATION

1. Certificate for Education and Training

(a) As evidence of approval of your application for a program of education or training, the VA has issued you this Certificate for Education and Training (VA Form VB 7—1993). A copy of this certificate has also been sent to your place of training indicated in item 11 on the reverse side. This certificate should be shown to the place of training at the time you enroll in your program of education or training in order that it may be known that you expect to be enrolled under the provisions of Public Law 550, 82d Congress. After you show this certificate to the school or establishment, you should retain it for your future reference.

2. Enrollment Certification

(a) In order that the VA may know that you actually have commenced your program of education or training, the school or establishment will certify your enrollment to the VA on VA Form VB 7—1999, Enrollment Certification.

3. Periodic Certifications of Training

(a) Before the VA can actually release any education and training allowance payments to you, they must know that you were actually in training for the period to be covered by the payment. Therefore, you and your place of training will be required to submit periodic certifications of training, which will certify as to your pursuit of the course and your progress during the period covered by the certification. No payment of education and training allowance can be made until this certification is received by the VA. Payments will be expedited if the school or establishment sends the certifications (VA Form VB 7—1996 series) to the appropriate VA Regional Office or Center, marked for the attention of the Finance Officer. These certifications are due in the VA within 10 days after the close of the certification period, which in other than correspondence courses is the end of each month. If you commence your course on or after the 20th of the month, the certification of training for the remainder of the month should be included with the certification for the following month.

(b) At the end of each month, if you are taking any type of training except correspondence training only, you should obtain from the school or establishment the required form. You should carefully read the instructions on the form, fill out Section A, and deliver the form to the proper official of the school or establishment for completion of Section B and transmittal to the VA. Insofar as possible, payments will be made to you within 20 days from the date the VA receives the completed certification.

(c) If you are taking a course by correspondence only, the VA will send you VA Form VB 7—1996d every 3 months. You should carefully read the instructions on the form, fill out Section A, and forward the form to the school for completion of Section B. After the school completes their portion of the form, they will forward the form to the VA.

(d) When you complete your course, temporarily drop out, or quit your course for any reason, a final certification of training on the appropriate form is required. In these cases, the form should be completed and forwarded on the day after you quit training.

4. Pertinent Dates Concerning Your Program of Education or Training

(a) The date shown in item 5 on the reverse side marks an important date in your plans. It is the date established by law by which you must have commenced your program of education or training. It also establishes a date beyond which you must comply with certain other requirements which limit your privilege to change your program or later reenter after you drop out of training. This date is established as August 20, 1954, or 3 years after your discharge from active service; whichever is the later date.

(b) In addition to the date by which you must have commenced your program, the law also establishes a date beyond which no education or training allowance may be paid. It is established as the date 8 years after your discharge or release from active service; if your basic period of active service extended beyond January 31, 1955, your training may not extend beyond the date 8 years after your FIRST discharge following January 31, 1955. No education or training benefits will be granted under this law after January 31, 1965.

5. Change of Program of Education or Training

(a) If you desire to change your program of education or training, you should apply to the VA in advance for approval of the change. The proper form to be used for this purpose is VA Form VB 7—1995, which you can get at any VA office. Under any circumstances you can have only one change of program, so you should carefully plan your program so that a change is not necessary. Prior to your delimiting date (the date shown in item 5 on the reverse side) the VA will generally approve your request. After your delimiting date, the VA will generally approve a change of program only if the program you desire to change to is a normal progression from the program you are now taking.

(b) Satisfactory progress and conduct are necessary requirements for the receipt of education or training benefits. If you fail to maintain satisfactory progress and conduct, it may be necessary to deny you further education and training benefits.

6. Change of Place of Training

(a) If you desire to change your place of training, you should apply in advance to the VA for approval of the change. The form to use for this purpose is also VA Form VB 7—1995.

7. Continuous Pursuit of Education or Training

(a) Prior to your delimiting date there are no requirements for continuous pursuit of education and training. After your delimiting date, however, you must pursue your program continuously to completion, except that you may suspend your program for a period not to exceed 12 consecutive months without VA approval. If you are not in training on your delimiting date, the suspended period will be counted from the date you last were in training. If you have suspended your training for more than 12 consecutive months, any part of which is after your delimiting date, you can continue your program only if you can show the VA that the period in excess of 12 months was for reasons beyond your control.

VETERANS ADMINISTRATION

HORIZATION AND NOTICE OF ENTRANCE INTO TRAINING

1. REGIONAL OFFICE Fort Snelling St. Paul 11, Minnesota	2. TRAINING UNDER (Check one) <input type="checkbox"/> P.L. 16 <input checked="" type="checkbox"/> P.L. 894
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ADDRESS OF SCHOOL OR TRAINING ON-THE-JOB ESTABLISHMENT Cloud Teacher's College Cloud Minnesota	NOTICE TO SCHOOL OR TRAINING ON-THE-JOB ESTABLISHMENT (TRAINER) Please complete Section B and return the original of this form to the ad- dress shown in item 1. The veteran named in item 18 has been given your copy of this form and should present it to you when he reports for training.
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SECTION A - AUTHORIZATION TO SCHOOL OR TRAINING ON-THE-JOB ESTABLISHMENT

Authorized to enter the veteran named in item 18 into vocational rehabilitation in the follow-

1. Teacher's College - Education	5. ESTIMATED LENGTH OF COURSE 36 months
2. High School - 0-31.01	7. EFFECTIVE DATE OF THIS AUTHORI- ZATION 9-17-56

3. AUTHORIZED VETERANS ADMINISTRATION REPRESENTATIVE H. L. Richards	9. TITLE Chief, Educ. & Trng. Sec.	10. DATE 9-17-56
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CERTIFICATION TO VETERANS ADMINISTRATION THAT THE VETERAN HAS ENTERED AND IS PURSUING TRAINING (To be completed by trainer)

4. AND CERTIFY THAT the veteran named in item 18 began the above-authorized course on the date shown in item 11, and is now pursuing that course. (This date should be the effective date of this authorization, as shown in item 7.)		11. DATE VETERAN BEGAN TRAINING
12. TRAINER	13. TITLE	14. DATE

SECTION C - NOTICE TO VETERAN

5. Authorized to report on or about the date shown in item 15 to the school or training establishment shown in item 3 for the purpose of beginning the course of training in Section A above.	15. APPROXIMATE DATE ON WHICH TO REPORT 9-17-56
6. A copy of this form to the school or training establishment shown in item 3 will serve as your introduction. Instructions involved, covering instructions are attached or will be provided.	

7. 726 8. HOME ADDRESS OF VETERAN Mr. John D. Kending 7520 W. Lake Street Minneapolis, Minnesota	17. SIGNATURE OF VA REPRESENTATIVE H. L. Richards H. L. RICHARDS
	19. TITLE Chief, Educ. & Trng. Sec.
	20. DATE September 17, 1956

VETERANS ADMINISTRATION

NOTICE OF AUTHORIZATION OF EDUCATIONAL ASSISTANCE ALLOWANCE
OR SPECIAL TRAINING ALLOWANCE

(Under Chapter 35, Title 38, United States Code)

1. ADDRESS OF PAYEE Craig D. Hartl 721-5th Ave. No. St. Cloud, Minn.		2. CLAIM NO. XC- 17 071 640-A	
		NOTE: Read "Information and Instructions" on reverse.	
INFORMATION CONCERNED WITH ELIGIBLE PERSON			
3. COURSE FOR PRESENT ENROLLMENT OR NATURE OF SPECIAL RESTORATIVE TRAINING Bachelors Degree		4. TRAINING TIME <input checked="" type="checkbox"/> FULL TIME <input type="checkbox"/> ¾ TIME <input type="checkbox"/> ½ TIME	
5. REDUCTION FOR EXCESS ABSENCES		6. ENTITLEMENT REMAINING AS OF END OF ENROLLMENT 30 MONTHS 9 DAYS	
7. ADDRESS OF ELIGIBLE PERSON (If different from that shown in item 1)		8. REMARKS	
9A. AMOUNT AUTHORIZED	9B. AMOUNT	9C. STARTING DATE	9D. ENDING DATE
NATIONAL TRAINING ALLOWANCE	110.00		3/18/60
AL ING WANCE			
11. SIGNATURE OF AUTHORIZING OFFICIAL /7/60 A. J. LAMOURE			
12. ADDRESS OF SCHOOL OR INDIVIDUAL FURNISHING SPECIAL RESTORATIVE TRAINING St. Cloud State College St. Cloud, Minn.		13. ORIGINATING VA OFFICE VA Center Ft. Snelling St. Paul 11, Minn. 94	

INFORMATION AND INSTRUCTIONS

Read this form very carefully and retain it for your future reference

1. INFORMATION FOR PARENT OR GUARDIAN

The other side of this form shows our record of the eligible person's training under Chapter 35, Title 38, United States Code.

The amount shown in item 9B will be paid for the education or training of the eligible person. This money will be paid to you as the parent or guardian.

The amount authorized for the education or training of the eligible person is shown in item 9B. This amount will be paid to you as the parent or guardian. Each time there is a change in the eligible person's training, you will receive one of these forms.

Always give your full name and address, and the full name, address and claim number of the eligible person when you write to us. You get better and faster service when you remember to use the correct claim number. If there is any change in your address, you should notify the Veterans Administration promptly. Send the notice to the office given in item 13.

2. INFORMATION FOR THE ELIGIBLE PERSON

You have entered into training under Chapter 35, Title 38, United States Code. The allowance for this training will be paid to the person named in item 1 on the face of the form.

The check for the amount in column 9B will be mailed each month after we receive a Periodic Certification of Training (VA Form 22-5496). The school will ask you to complete this form at the end of each month you are in training.

Item 5, Rate of Reduction for Excess Absences, will be completed only if the law places a limit on the number of absences for which payment can be made.

3. KEEP VA INFORMED

Always give your claim number, full name and address when you write to us. You get better and faster service when you remember to use the correct claim number, as it appears in item 2.

GENERAL INSTRUCTIONS

4. RIGHT OF APPEAL

The action indicated on the reverse of this form has been made from facts submitted. If there is evidence available to you which in your opinion would warrant a different decision, such evidence should be immediately submitted to this office for reconsideration of your claim. If you have no further evidence to submit, but have substantial reason to believe that the decision is not in accordance with the law and the facts in your case, you may appeal to the Administrator of Veterans Affairs at any time

within 1 year from the date of this notice. If you wish to appeal, you should inform this office, and you will be furnished with VA Form 1-9, Claimant's Appeal to Administrator of Veterans Affairs, for that purpose.

5. PENALTY PROVISIONS OF THE LAW

Willful false statements as to a material fact in a claim for education or training is a punishable offense and may result in the forfeiture of these or other benefits, and criminal penalties.



VETERANS ADMINISTRATION

CERTIFICATE FOR EDUCATION AND TRAINING

(Under Title II, Public Law 550, 82d Congress)

1. NAME AND ADDRESS OF VETERAN TO <u>Howard Duane Peterson</u> <u>Route 1, Box 4040</u> <u>Mound, Minnesota</u>	2. ENTITLEMENT BASED ON LENGTH OF ELIGIBLE SERVICE (Spell out) EIGHTEEN MONTHS TWENTY-SIX DAYS 3. CLAIM NO. C. 18 563 462 4. TYPE OF CERTIFICATE <input type="checkbox"/> ORIGINAL <input checked="" type="checkbox"/> SUPPLEMENTAL <input type="checkbox"/> DUPLICATE <input type="checkbox"/> TEMPORARY 5. VETERAN'S DELIMITING DATE See Item 8 below
6. APPROVED PROGRAM OF EDUCATION AND TRAINING Master's Degree - Educ.	7. FINAL OBJECTIVE OF VETERAN'S PROGRAM OF TRAINING Master's Degree

This certificate should be shown to the school or establishment at the time you enroll in your program of education or training in order that the school or establishment may know that you expect to be enrolled under the provisions of P. L. 550, 82d Congress. Benefits cannot be authorized until an Enrollment Certification, VA Form VB 7-1999, is completed by the school or establishment and forwarded to the Veterans Administration office having jurisdiction over your training.

8. ADDITIONAL LIMITATIONS (A) The veteran's training must be discontinued if he fails to maintain satisfactory conduct and progress. (B) Appropriate credit must be allowed for the veteran's previous education and training. (C) Other— This program must be resumed no later than the 1960 Fall Term. The law does not permit payment for training after 9-20-62.
--

I HEREBY CERTIFY THAT this veteran is eligible for the benefits provided by Title II, Public Law 550, 82d Congress, and is entitled to enroll in and pursue the above-named program of education and training for a period not to exceed the period of entitlement shown above.

9. DATE SIGNED 8-4-60 lp	10. SIGNATURE OF VETERANS ADMINISTRATION AUTHORIZING OFFICER <i>M. E. Miller</i> M. E. MILLER
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IMPORTANT NOTICE.—There are restrictions on a change of program and also on the place where the program may be taken. Therefore, if the veteran desires to make a change, he should first obtain clearance from the Veterans Administration by requesting a supplemental certificate. A request for a supplemental certificate should be made on VA Form VB 7-1995.

11. NAME AND ADDRESS OF SCHOOL OR ESTABLISHMENT TO <u>St. Cloud State College</u> <u>St. Cloud</u> <u>Minnesota</u>	12. ISSUING OFFICE VA CENTER FORT SNELLING ST. PAUL 11 MINN.
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96

IMPORTANT INFORMATION

Certificate for Education and Training

As evidence of approval of your application for a program of education or training, the VA has issued you a Certificate for Education and Training (VA Form VB 7-1996). A copy of this certificate has also been sent to the school or establishment indicated in item 11 on the reverse of this certificate should be shown to the place of training the time you enroll in your program of education or training in order that it may be known that you expect to be enrolled under the provisions of Public Law 550, 82d Congress. After you show this certificate to the school or establishment, you should retain it for your future reference.

Enrollment Certification

In order that the VA may know that you actually commenced your program of education or training, the school or establishment will certify your enrollment to the VA on VA Form VB 7-1999, Enrollment Certification.

Periodic Certifications of Training

Before the VA can actually release any education training allowance payments to you, they must know you were actually in training for the period to be covered by the payment. Therefore, you and your place of training will be required to submit periodic certifications of training, which will certify as to your pursuit of the training and your progress during the period covered by the payment. No payment of education and training allowance will be made until this certification is received by the VA. Payments will be expedited if the school or establishment forwards the certifications (VA Form VB 7-1996 series) to the appropriate VA Regional Office or Center, marked for attention of the Finance Officer. These certifications are due in the VA within 10 days after the close of the training period, which in other than correspondence training is the end of each month. If you commence your training on or after the 20th of the month, the certification for the remainder of the month should be submitted with the certification for the following month.

At the end of each month, if you are taking any type of training except correspondence training only, you should obtain from the school or establishment the required form. You should carefully read the instructions on the form, fill out Section A, and deliver the form to the proper official of the school or establishment for completion of Section B and forward it to the VA. Insofar as possible, payments will be made to you within 20 days from the date the VA receives the completed certification.

If you are taking a course by correspondence only, we will send you VA Form VB 7-1996d every 3 months. You should carefully read the instructions on the form, fill out Section A, and forward the form to the school for completion of Section B. After the school completes their portion of the form, they will forward the form to the VA.

When you complete your course, temporarily drop out of your course for any reason, a final certification of training on the appropriate form is required. In these cases, the form should be completed and forwarded on the day you quit training.

4. Pertinent Dates Concerning Your Program of Education or Training

(a) The date shown in item 5 on the reverse side marks an important date in your plans. It is the date established by law by which you must have commenced your program of education or training. It also establishes a date beyond which you must comply with certain other requirements which limit your privilege to change your program or later reenter after you drop out of training. This date is established as August 20, 1954, or 3 years after your discharge from active service, whichever is the later date.

(b) In addition to the date by which you must have commenced your program, the law also establishes a date beyond which no education or training allowance may be paid. It is established as the date 8 years after your discharge or release from active service; if your basic period of active service extended beyond January 31, 1955, your training may not extend beyond the date 8 years after your FIRST discharge following January 31, 1955. No education or training benefits will be granted under this law after January 31, 1965.

5. Change of Program of Education or Training

(a) If you desire to change your program of education or training, you should apply to the VA in advance for approval of the change. The proper form to be used for this purpose is VA Form VB 7-1995, which you can get at any VA office. Under any circumstances you can have only one change of program, so you should carefully plan your program so that a change is not necessary. Prior to your delimiting date (the date shown in item 5 on the reverse side) the VA will generally approve your request. After your delimiting date, the VA will generally approve a change of program only if the program you desire to change to is a normal progression from the program you are now taking.

(b) Satisfactory progress and conduct are necessary requirements for the receipt of education or training benefits. If you fail to maintain satisfactory progress and conduct, it may be necessary to deny you further education and training benefits.

6. Change of Place of Training

(a) If you desire to change your place of training, you should apply in advance to the VA for approval of the change. The form to use for this purpose is also VA Form VB 7-1995.

7. Continuous Pursuit of Education or Training

(a) Prior to your delimiting date there are no requirements for continuous pursuit of education and training. After your delimiting date, however, you must pursue your program continuously to completion, except that you may suspend your program for a period not to exceed 12 consecutive months without VA approval. If you are not in training on your delimiting date, the suspended period will be counted from the date you last were in training. If you have suspended your training for more than 12 consecutive months, any part of which is after your delimiting date, you can continue your program only if you can show the VA that the period in excess of 12 months was for reasons beyond your control.

AUTHORIZATION AND NOTICE OF ENTRANCE INTO TRAINING

Budget Bureau No. 76-R050.
Approval expires May 31, 1949.

VETERANS ADMINISTRATION

VETERANS ADMINISTRATION
Regional Office
Fort Snelling, St. Paul, Minn.

7 D

School or Training On-the-Job Establishment)

St. Cloud Teacher's College
St. Cloud, Minnesota

NOTICE TO TRAINER

THE VETERAN NAMED BELOW HAS
BEEN GIVEN A COPY OF THIS FORM
AND SHOULD PRESENT IT TO YOU
WHEN HE REPORTS FOR TRAINING.

SECTION A—AUTHORIZATION TO SCHOOL OR TRAINING ON-THE-JOB ESTABLISHMENT

YOU ARE HEREBY AUTHORIZED TO ENTER THE VETERAN NAMED BELOW INTO TRAINING UNDER PUBLIC LAW 16, 78TH CONGRESS, AS AMENDED, IN THE FOLLOWING COURSE:

St. Cloud Teacher's College-Education		ESTIMATED LENGTH OF COURSE 36 mos. less
PAYMENT OBJECTIVE Teacher, High School 0-31.01		EFFECTIVE DATE OF THIS AUTHORIZATION 1-3-55
SIGNATURE OF AUTHORIZED VA REPRESENTATIVE L. RICHARDS	TITLE Chief, E & T	DATE 1-3-55

SECTION B—CERTIFICATION TO VA THAT THE VETERAN HAS ENTERED AND IS PURSUING TRAINING (To be completed by school or establishment)

INSTRUCTION TO TRAINER.—SIGN AND RETURN THE ORIGINAL COPY OF THIS FORM TO THE VETERANS ADMINISTRATION AT THE ADDRESS GIVEN ABOVE.

HEREBY ADVISE AND CERTIFY THAT THE VETERAN NAMED BELOW BEGAN THE ABOVE-AUTHORIZED COURSE OF TRAINING ON _____, AND
IS PURSUING THAT COURSE. (This date should not be earlier than the effective date of this authorization, as given in Section A above.)

SIGNATURE OF TRAINER J. H. Weismann	TITLE Dir. of Vets.	DATE 1-14-55
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SECTION C—NOTICE TO VETERAN

YOU ARE AUTHORIZED TO REPORT ON OR ABOUT 1-3-55 TO THE SCHOOL OR TRAINING ON-THE-JOB ESTABLISHMENT NAMED ABOVE ON THIS
(Date)

FORM FOR THE PURPOSE OF BEGINNING THE COURSE OF TRAINING AUTHORIZED IN SECTION A ABOVE.

PRESENT YOUR COPY OF THIS FORM TO THE SCHOOL OR TRAINING ON-THE-JOB ESTABLISHMENT NAMED ABOVE. IT WILL SERVE AS YOUR INTRODUCTION.

IF TRAVEL IS INVOLVED, COVERING INSTRUCTIONS ARE ATTACHED OR WILL BE PROVIDED.

(Veteran) Mr. James H. Metland 15 1/2 - 17th Ave. So. St. Cloud, Minnesota	C-NO. <u>13-641-844</u>	SIGNATURE OF VA REPRESENTATIVE L. L. Richards
		TITLE Chief, E & T
		DATE 1-5-55
		98

VETERANS ADMINISTRATION

NOTICE OF AUTHORIZATION OF EDUCATIONAL ASSISTANCE ALLOWANCE
OR SPECIAL TRAINING ALLOWANCE

(Under Chapter 35, Title 38, United States Code)

1. NAME AND ADDRESS OF PAYEE

Mrs. Lorena E. Robideau
Pine River, Minn.

2. CLAIM NO.

XC- 3 739 925-A

NOTE: Read "Information
and Instructions"
on reverse.

INFORMATION CONCERNED WITH ELIGIBLE PERSON

3. NAME OF COURSE FOR PRESENT ENROLLMENT OR NATURE OF SPECIAL RESTORATIVE TRAINING

Bachelors

4. TRAINING TIME

☒ FULL TIME☐ ¾ TIME☐ ½ TIME

5. RATE OF REDUCTION FOR EXCESS ABSENCES

6. ENTITLEMENT REMAINING AS OF END OF ENROLLMENT

10

MONTHS

20

DAYS

7. NAME AND ADDRESS OF ELIGIBLE PERSON (If different from that shown in item 1)

Judith C. Crandall
Pine River, Minn.

8. REMARKS

9A. ALLOWANCE AUTHORIZED

9B. AMOUNT

9C. STARTING DATE

9D. ENDING DATE

☒ EDUCATIONAL
ASSISTANCE
ALLOWANCE

110.00

9/28/59

6/9/60

☐ SPECIAL
TRAINING
ALLOWANCE

10. DATE

10/6/59

11. SIGNATURE OF AUTHORIZING OFFICIAL

R. R. NELSON

12. NAME AND ADDRESS OF SCHOOL OR INDIVIDUAL FURNISHING SPECIAL RESTORATIVE TRAINING

St. Cloud State College
St. Cloud, Minn.

13. ORIGINATING VA OFFICE

VA Center
Ft. Snelling
St. Paul 11, Minn.

INFORMATION AND INSTRUCTIONS

Read this form very carefully and retain it for your future reference

INFORMATION FOR PARENT OR GUARDIAN

The other side of this form shows our record of the eligible person's training under Chapter 35, Title 38, United States Code.

The amount shown in item 9B will be paid for education or training of the eligible person. The money will be paid to you as the parent or guardian.

The amount authorized for the education or training of the eligible person is shown in item 9B. This amount will be paid to you as the parent or guardian. Each time there is a change in the eligible person's training, you will receive one of these notices.

Always give your full name and address, and the claim number, address and claim number of the eligible person when you write to us. You get better and faster service when you remember to use the correct claim number. If there is any change in your address, you should notify the Veterans Administration promptly. Send the notice to the office given in item 13.

2. INFORMATION FOR THE ELIGIBLE PERSON

You have entered into training under Chapter 35, Title 38, United States Code. The allowance for this training will be paid to the person named in item 1 on the face of the form.

The check for the amount in column 9B will be mailed each month after we receive a Periodic Certification of Training (VA Form 22-5496). The school will ask you to complete this form at the end of each month you are in training.

Item 5, Rate of Reduction for Excess Absences, will be completed only if the law places a limit on the number of absences for which payment can be made.

3. KEEP VA INFORMED

Always give your claim number, full name and address when you write to us. You get better and faster service when you remember to use the correct claim number, as it appears in item 2.

GENERAL INSTRUCTIONS

RIGHT OF APPEAL

The action indicated on the reverse of this form has been made from facts submitted. If there is evidence available to you which in your opinion would warrant a different decision, such evidence should be immediately submitted to this office for consideration of your claim. If you have no further evidence to submit, but have substantial reason to believe that the decision is not in accordance with the law and the facts in your case, you may appeal to the Administrator of Veterans Affairs at any time

within 1 year from the date of this notice. If you wish to appeal, you should inform this office, and you will be furnished with VA Form 1-9, Claimant's Appeal to Administrator of Veterans Affairs, for that purpose.

5. PENALTY PROVISIONS OF THE LAW

Willful false statements as to a material fact in a claim for education or training is a punishable offense and may result in the forfeiture of these or other benefits, and criminal penalties.

NO

VG



VETERANS ADMINISTRATION

CERTIFICATE FOR EDUCATION AND TRAINING

(Under Title II, Public Law 550, 82d Congress)

NAME AND ADDRESS OF VETERAN 10 <input type="checkbox"/> Charles Dvorak Beshears 8 Penn Ave. So. Minneapolis 5, Minn.	2. ENTITLEMENT BASED ON LENGTH OF ELIGIBLE SERVICE (Spell out) THIRTEEN MONTHS TWENTY-TWO DAYS 3. CLAIM NO. C. 20 368 903 4. TYPE OF CERTIFICATE <input type="checkbox"/> ORIGINAL <input checked="" type="checkbox"/> SUPPLEMENTAL <input type="checkbox"/> DUPLICATE <input type="checkbox"/> TEMPORARY 5. VETERAN'S DELIMITING DATE See below *
APPROVED PROGRAM OF EDUCATION AND TRAINING Bachelor's Degree Program	7. FINAL OBJECTIVE OF VETERAN'S PROGRAM OF TRAINING B.S. Degree

This certificate should be shown to the school or establishment at the time you enroll in your program of education or training in order that the school or establishment may know that you expect to be enrolled under the provisions of P. L. 550, 82d Congress. Benefits cannot be authorized until an Enrollment Certification, VA Form VB 7-1999, is completed by the school or establishment and forwarded to the Veterans Administration office having jurisdiction over your training.

8. ADDITIONAL LIMITATIONS

- (A) The veteran's training must be discontinued if he fails to maintain satisfactory conduct and progress.
 (B) Appropriate credit must be allowed for the veteran's previous education and training.
 (C) Other—

* This program must be commenced on or before 6-11-61

The law does not permit payment for training after 1-31-65

I HEREBY CERTIFY THAT this veteran is eligible for the benefits provided by Title II, Public Law 550, 82d Congress, and is entitled to enroll in and pursue the above-named program of education and training for a period not to exceed the period of entitlement shown above.

DATE SIGNED 9-20-60 pmp	10. SIGNATURE OF VETERANS ADMINISTRATION AUTHORIZING OFFICER C. MATHIS
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IMPORTANT NOTICE.—There are restrictions on a change of program and also on the place where the program may be taken. Therefore, if the veteran desires to make a change, he should first obtain clearance from the Veterans Administration by requesting a supplemental certificate. A request for a supplemental certificate should be made on VA Form VB 7-1995.

11. NAME AND ADDRESS OF SCHOOL OR ESTABLISHMENT TO <input checked="" type="checkbox"/> St. Cloud State College St. Cloud Minn.	12. ISSUING OFFICE VA CENTER FORT SNELLING ST PAUL 11, MINN.
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AUTHORIZATION AND NOTICE OF ENTRANCE INTO TRAINING

ADMINISTRATION Regional Office Fort Snelling St. Paul 11, Minnesota	7 D
Training On-the-Job Establishment) St. Cloud Teachers College St. Cloud, Minnesota	NOTICE TO TRAINER THE VETERAN NAMED BELOW HAS BEEN GIVEN A COPY OF THIS FORM AND SHOULD PRESENT IT TO YOU WHEN HE REPORTS FOR TRAINING.

SECTION A—AUTHORIZATION TO SCHOOL OR TRAINING ON-THE-JOB ESTABLISHMENT

HEREBY AUTHORIZED TO ENTER THE VETERAN NAMED BELOW INTO TRAINING UNDER PUBLIC LAW 16, 78TH CONGRESS, AS AMENDED, IN THE FOLLOWING COURSE:

Bachelor of Science	ESTIMATED LENGTH OF COURSE 36 Months
OBJECTIVE Teacher, High School Code: 0-31.01	EFFECTIVE DATE OF THIS AUTHORIZATION 6-6-55
AUTHORIZED VA REPRESENTATIVE G. H. Hyde	TITLE Supervisor, SRPU
	DATE 6-3-55

SECTION B—CERTIFICATION TO VA THAT THE VETERAN HAS ENTERED AND IS PURSUING TRAINING (To be completed by school or establishment)

SECTION TO TRAINER.—SIGN AND RETURN THE ORIGINAL COPY OF THIS FORM TO THE VETERANS ADMINISTRATION AT THE ADDRESS GIVEN ABOVE.

ADVISE AND CERTIFY THAT THE VETERAN NAMED BELOW BEGAN THE ABOVE-AUTHORIZED COURSE OF TRAINING ON 6-13-55 AND
PURSUING THAT COURSE. (This date should not be earlier than the effective date of this authorization, as given in Section A above.)

TRAINER J. M. Murrain	TITLE	DATE 6-13-55
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SECTION C—NOTICE TO VETERAN

AUTHORIZED TO REPORT ON OR ABOUT 6-6-55 TO THE SCHOOL OR TRAINING ON-THE-JOB ESTABLISHMENT NAMED ABOVE ON THIS
(Date)
FOR THE PURPOSE OF BEGINNING THE COURSE OF TRAINING AUTHORIZED IN SECTION A ABOVE.
YOUR COPY OF THIS FORM TO THE SCHOOL OR TRAINING ON-THE-JOB ESTABLISHMENT NAMED ABOVE. IT WILL SERVE AS YOUR INTRODUCTION.
L IS INVOLVED, COVERING INSTRUCTIONS ARE ATTACHED OR WILL BE PROVIDED.

17 622 235 C.NO.	SIGNATURE OF VA REPRESENTATIVE G. H. Hyde
Mr. Thomas A. Murray Box 403 Virginia, Minnesota	TITLE Supervisor, SRPU
	DATE June 3, 1955

VETERANS ADMINISTRATION

NOTICE OF AUTHORIZATION OF EDUCATIONAL ASSISTANCE ALLOWANCE
OR SPECIAL TRAINING ALLOWANCE

(Under Chapter 35, Title 38, United States Code)

1. NAME AND ADDRESS OF PAYEE		2. CLAIM NO.													
Mrs. Margaret P. Cummings 7140 Stevens Ave. So. Minneapolis 23, Minn.		3 377 464 A													
		XC-													
		NOTE: Read "Information and Instructions" on reverse.													
INFORMATION CONCERNED WITH ELIGIBLE PERSON															
3. NAME OF COURSE FOR PRESENT ENROLLMENT OR NATURE OF SPECIAL RESTORATIVE TRAINING		4. TRAINING TIME													
Bachelor's Degree in Social Work		<input checked="" type="checkbox"/> FULL TIME													
		<input type="checkbox"/> ¾ TIME													
		<input type="checkbox"/> ½ TIME													
5. RATE OF REDUCTION FOR EXCESS ABSENCES		6. ENTITLEMENT REMAINING AS OF END OF ENROLLMENT													
		30 MONTHS 9 DAYS													
7. NAME AND ADDRESS OF ELIGIBLE PERSON (If different from that shown in item 1)		8. REMARKS													
Harry K. Cummings 7140 Stevens Ave. So. Minneapolis 23, Minnesota															
<table border="1"><thead><tr><th>9A. ALLOWANCE AUTHORIZED</th><th>9B. AMOUNT</th><th>9C. STARTING DATE</th><th>9D. ENDING DATE</th></tr></thead><tbody><tr><td><input checked="" type="checkbox"/> EDUCATIONAL ASSISTANCE ALLOWANCE</td><td>\$110.00</td><td></td><td>3-18-60</td></tr><tr><td><input type="checkbox"/> SPECIAL TRAINING ALLOWANCE</td><td></td><td></td><td></td></tr></tbody></table>				9A. ALLOWANCE AUTHORIZED	9B. AMOUNT	9C. STARTING DATE	9D. ENDING DATE	<input checked="" type="checkbox"/> EDUCATIONAL ASSISTANCE ALLOWANCE	\$110.00		3-18-60	<input type="checkbox"/> SPECIAL TRAINING ALLOWANCE			
9A. ALLOWANCE AUTHORIZED	9B. AMOUNT	9C. STARTING DATE	9D. ENDING DATE												
<input checked="" type="checkbox"/> EDUCATIONAL ASSISTANCE ALLOWANCE	\$110.00		3-18-60												
<input type="checkbox"/> SPECIAL TRAINING ALLOWANCE															
10. DATE	11. SIGNATURE OF AUTHORIZING OFFICIAL														
4-1-60	F.P. PAYNE Educ. Benef. Representative														
12. NAME AND ADDRESS OF SCHOOL OR INDIVIDUAL FURNISHING SPECIAL RESTORATIVE TRAINING		13. ORIGINATING VA OFFICE													
St. Cloud State College St. Cloud Minnesota		V.A. CENTER Ft. Snelling St. Paul 11, Minn.													

INFORMATION AND INSTRUCTIONS

Read this form very carefully and retain it for your future reference

INFORMATION FOR PARENT OR GUARDIAN

The other side of this form shows our record of the eligible person's training under Chapter 35, Title 38, United States Code.

The amount shown in item 9B will be paid for education or training of the eligible person. This money will be paid to you as the parent or guardian.

The amount authorized for the education or training of the eligible person is shown in item 9B. This amount will be paid to you as the parent or guardian. Each time there is a change in the eligible person's training, you will receive one of these forms.

Always give your full name and address, and the full name, address and claim number of the eligible person when you write to us. You get better and faster service when you remember to use the correct claim number. If there is any change in *your* address, you should notify the Veterans Administration promptly. Send the notice to the office given in item 13.

2. INFORMATION FOR THE ELIGIBLE PERSON

You have entered into training under Chapter 35, Title 38, United States Code. The allowance for this training will be paid to the person named in item 1 on the face of the form.

The check for the amount in column 9B will be mailed each month after we receive a Periodic Certification of Training (VA-Form 22-5496). The school will ask you to complete this form at the end of each month you are in training.

Item 5, Rate of Reduction for Excess Absences, will be completed only if the law places a limit on the number of absences for which payment can be made.

3. KEEP VA INFORMED

Always give your claim number, full name and address when you write to us. You get better and faster service when you remember to use the correct claim number, as it appears in item 2.

GENERAL INSTRUCTIONS

4. RIGHT OF APPEAL

The action indicated on the reverse of this form has been made from facts submitted. If there is evidence available to you which in your opinion would warrant a different decision, such evidence should be immediately submitted to this office for reconsideration of your claim. If you have no further evidence to submit, but have substantial reason to believe that the decision is not in accordance with the law and the facts in your case, you may appeal to the Administrator of Veterans Affairs at any time

within 1 year from the date of this notice. If you wish to appeal, you should inform this office, and you will be furnished with VA Form 1-9, Claimant's Appeal to Administrator of Veterans Affairs, for that purpose.

5. PENALTY PROVISIONS OF THE LAW

Willful false statements as to a material fact in a claim for education or training is a punishable offense and may result in the forfeiture of these or other benefits, and criminal penalties.



VETERANS ADMINISTRATION

CERTIFICATE FOR EDUCATION AND TRAINING

(Under Title II, Public Law 550, 82d Congress)

1. NAME AND ADDRESS OF VETERAN

TO Robert L. Buck
404 Ash Avenue
St. Paul Park, Minnesota

2. ENTITLEMENT BASED ON LENGTH OF ELIGIBLE SERVICE
(Spell out)

THIRTY-
FOUR MONTHS THIRTEEN DAYS

3. CLAIM NO.

C. 19 519 399

4. TYPE OF CERTIFICATE

☐ ORIGINAL☒ SUPPLEMENTAL☐ DUPLICATE☐ TEMPORARY

5. VETERAN'S DELIMITING DATE

See Item 8 below

7. FINAL OBJECTIVE OF VETERAN'S PROGRAM
OF TRAINING

Master's Degree

Master's Degree

This certificate should be shown to the school or establishment at the time you enroll in your program of education or training in order that the school or establishment may know that you expect to be enrolled under the provisions of P. L. 550, 82d Congress. Benefits cannot be authorized until an Enrollment Certification, VA Form VB 7-1999, is completed by the school or establishment and forwarded to the Veterans Administration office having jurisdiction over your training.

8. ADDITIONAL LIMITATIONS

- (A) The veteran's training must be discontinued if he fails to maintain satisfactory conduct and progress.
(B) Appropriate credit must be allowed for the veteran's previous education and training.
(C) Other—

This program must be resumed on or before the fall term 1960.

The law does not permit payment for training after 5-26-64.

I HEREBY CERTIFY THAT this veteran is eligible for the benefits provided by Title II, Public Law 550, 82d Congress, and is entitled to enroll in and pursue the above-named program of education and training for a period not to exceed the period of entitlement shown above.

9. DATE SIGNED

5-25-60

lp

10. SIGNATURE OF VETERANS ADMINISTRATION AUTHORIZING OFFICER

F. P. PAYNE

IMPORTANT NOTICE.—There are restrictions on a change of program and also on the place where the program may be taken. Therefore, if the veteran desires to make a change, he should first obtain clearance from the Veterans Administration by requesting a supplemental certificate. A request for a supplemental certificate should be made on VA Form VB 7-1995.

11. NAME AND ADDRESS OF SCHOOL OR ESTABLISHMENT

TO St. Cloud State College
St. Cloud
Minnesota

12. ISSUING OFFICE

VA CENTER
FORT SHELBNING
ST. PAUL 11 MINN.

VETERANS ADMINISTRATION

AUTHORIZATION AND NOTICE OF ENTRANCE INTO TRAINING

VETERANS ADMINISTRATION

2. TRAINING UNDER
(Check one)

☐ P.L. 16
☒ P.L. 894

NAME AND MAILING ADDRESS OF SCHOOL OR TRAINING ON-THE-JOB ESTABLISHMENT

St Cloud Teachers College
St Cloud Minn

**NOTICE TO SCHOOL OR
TRAINING ON-THE-JOB ESTABLISHMENT
(TRAINER)**

Please complete Section B and return
the original of this form to the ad-
dress shown in item 1.

The veteran named in item 18 has been
given your copy of this form and should
present it to you when he reports
for training.

SECTION A - AUTHORIZATION TO SCHOOL OR TRAINING ON-THE-JOB ESTABLISHMENT

I am hereby authorized to enter the veteran named in item 18 into vocational rehabilitation in the follow-
course:

COURSE

Ed. Arts

5. ESTIMATED LENGTH
OF COURSE

36 mo.

EMPLOYMENT OBJECTIVE

Teacher H.S. (Indicts 0-31-01)

7. EFFECTIVE DATE OF
THIS AUTHORI-
ZATION

9/14/56

SIGNATURE OF AUTHORIZED VETERANS ADMINISTRATION REPRESENTATIVE

S. Ronsavert

9. TITLE

T.O.

10. DATE

9/14/56

**SECTION B - CERTIFICATION TO VETERANS ADMINISTRATION THAT THE VETERAN HAS ENTERED AND IS PURSUING TRAINING (To
be completed by trainer)**

EVERY ADVISE AND CERTIFY THAT the veteran named in item 18 began the above-authorized course
training on the date shown in item 11, and is now pursuing that course. (This date should
be earlier than the effective date of this authorization, as shown in item 7.)

11. DATE VETERAN
BEGAN TRAINING

SIGNATURE OF TRAINER

J. J. Reisman

13. TITLE

Dir. of Vets.

14. DATE

9-17-56

SECTION C - NOTICE TO VETERAN

You are authorized to report on or about the date shown in item 15 to the school or training
on-the-job establishment shown in item 3 for the purpose of beginning the course of training
authorized in Section A above.

Present your copy of this form to the school or training on-the-job establishment shown in
item 3. It will serve as your introduction.

If travel is involved, covering instructions are attached or will be provided.

15. APPROXIMATE DATE
ON WHICH TO
REPORT

CLAIM NUMBER

19-482-349

NAME AND MAILING ADDRESS OF VETERAN

TO: Donald G. Parker
1801 - Phillips St
White Bear Lake Minn

17. SIGNATURE OF REPRESENTATIVE

C. J. Ronsavert

19. TITLE

T.O.

20. DATE

9/14/56