

CAA AERO CENTER



BEACON

*"Imparting knowledge is only lighting other men's candle at our lamp--
without depriving ourselves of any flame" - Jane Porter*

May 16, 1951

OKLAHOMA CITY, OKLAHOMA

Vol. II, No. V

HOME STUDY COURSE AT FACILITIES ADDS THEORY LESSONS FOR TECHNICIANS

Course I of Directed Study takes another step forward by adding a couple of new chapters on theory. At the suggestion of the Washington Office and with the approval of the Chief of the Facilities Branch, C. E. Gardner, the material of Course I of Directed Study is being consolidated under different topic headings, i.e., Algebra, Trigonometry, etc. This will facilitate the addition of new new sections or chapters covering electronics and transmission lines. As with the previous material included in the course, the emphasis will be on the engineering mathematics and the application of mathematics to the technical principles involved. The purpose of this additional material is two fold; it will be added to bridge the gap between Course I and Course II and to furnish a review of the principles involved to those men who plan to attend the residence courses offered in the Radio Aids to Navigation school here at the Aeronautical Center.

At the same time a signed certificate is mailed to the students completing the course a copy containing a description of material covered is mailed the personnel section of the graduate's region for inclusion in his personnel folder.

TRIAL WATERCRAFT COURSE CONDUCTED BY AVIATION SAFETY STANDARDIZATION DIVISION

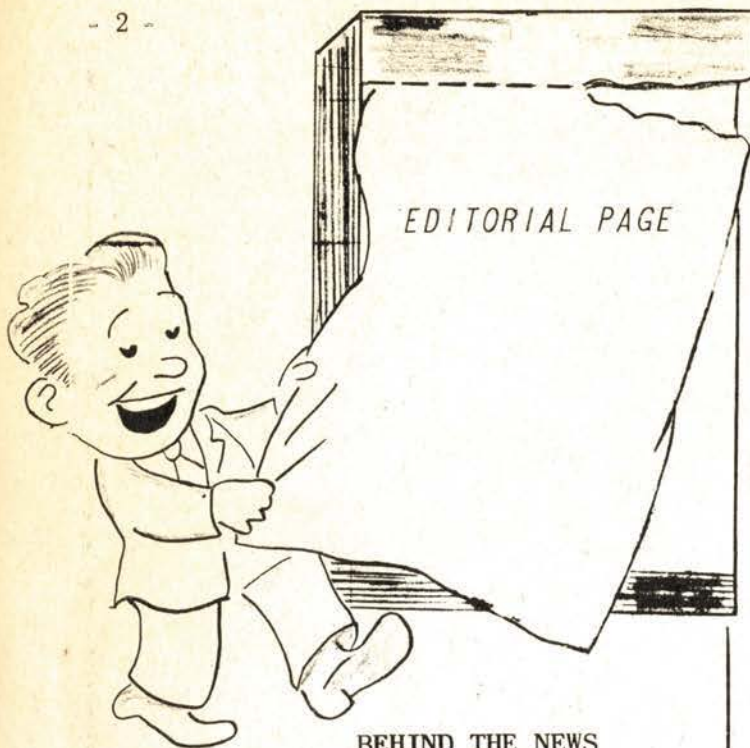
The Aviation Safety Standardization inaugurated the B-10 - Seaplane Ratings Course on May 7.

T. K. Archer, Chief, Airman Standards Section, and A. R. Soehner, Airman Standards Instructor, have been indoctrinating their first class of four agent trainees in the art of seaplaning.

This is the first course in the operation of watercraft ever conducted by the Office of Aviation Safety for the benefit of their field agents; although water flying has assumed significant proportions in a number of sections of the country. The course basically covers the operation of float planes and flying boats utilizing a Piper Cub on Edo floats and a Republic Seabee amphibian. The aircraft are based at Lake Hefner, northwest of the city, and have access to Lake Overholser in the immediate vicinity, as well as other large lakes located some distance from Oklahoma City.

Plans for additional courses of this type will be dependent upon the acceptance of this initial trial course.

.....



BEHIND THE NEWS

*The BEACON has been pleased to report by picture and story for the past several months the standardization of CAA Flight Inspection aircraft. The series of articles is more or less complete with this issue on pages 8 and 9 describing details of the Beechcraft electronic installation.

We believe that bouquets are in order that both Bill Matthews and Chet Shimp should 'take a bow' for their leadership in getting the huge project well under way and for turning out aircraft of which all of us in the CAA can well be proud.

Even to an untrained eye the skill and expert craftsmanship of their well-organized and hard-working crews is apparent in a tour of inspection of these trim, versatile aircraft.

There is a lot of work yet to be done before the last Beech and Douglas are modified and returned to the regions, but the results to date are excellent and progress should be repaid in the ensuing months.

*The installation of the Terminal-Omnirange at Will Rogers field adds another important training feature to those already available to the Aeronautical Center. Clyde Daniels, engineering chief at Project Materiel describes features of the installation on pages 10 and 11. From all indications the 'baby' VOR is due for an important role in our air navigation program. Other facilities under the jurisdiction of the 4th Region available at Oklahoma City for use in Aviation Safety training are the modernized standard VOR with DME (featured

Proverbs 4:5 - Get wisdom, get understanding.
Forget it not.

in the BEACON in September 1950), the Instrument Landing System facilities and Low Frequency Range.

WITHIN THE LETTER.....

One of our many readers, who like others of us, was disturbed and hurt deeply by the revelations of borderline cases of dishonesty and corruption in government agencies, contributed a somewhat lengthy report of the remarks Senator Fullbright made before the Senate not long ago. We reprint some pertinent excerpts:

Much of the evil of the world is beyond the reach of the law...as our study of..... progressed, we were confronted more and more with problems of ethical conduct....How do we deal with those who, under the guise of friendship, accept favors which offend the spirit of the law, but do not violate its letter?

'What of the men outside government who suborn those inside it? They are careful to see that they do not do anything that can be construed as illegal.....

'The vast majority of great civilizations have been destroyed, not as a result of external aggression, but as a consequence of domestic corruption...Democracy is more likely to be destroyed by the perversion of, or abandonment of, its true moral principles than by armed attack from Russia. The evil and insidious materialism of the Communists is a greater danger to us than their guns.'

The BEACON is prepared and published monthly by the CAA Aeronautical Center Employees' Association, without use of Government funds, as a service to all CAA personnel. Staff members include:

Editor.....Arthur Schmitt
Assistant Editor.....Lyla B. Fisher
Sports Editors.....Ann Martin
Clyde Daniels
Photography.....L. E. Shedenhelm
Staff Artist.....Hattie Reeder
Printing.....Edwin Frame

Distribution date of the BEACON is third Wednesday of each month. Deadline for copy is the second Wednesday of each month. Copy may be handed to branch secretaries or submitted to the editor, Arthur Schmitt, Facilities Branch, AC-636.

Published: CAA Aeronautical Center, Will Rogers Field, P.O. Box 1082, Oklahoma City, Oklahoma.

A CHAT WITH HARRY

One day last month, while in Washington, D.C., I suddenly realized that I was running out of money and would have to cash a personal check. I am always embarrassed at the prospect of asking some stranger to trust me to the extent of cashing a check, and after some heavy thinking on the matter decided to go right to the top. I asked for an interview with Harry; after all, he should be able to get my check cashed as smoothly as anyone.

It seems that there is considerable red tape involved in getting a personal audience with anyone as important as Harry, but luck was with me and I managed to get past secretary after factotum after flunkey without too much trouble. Then, too, I was able to catch him at just the right time; he had no conferences or pressing business at the moment. Of course, my C.A.A. credentials helped a great deal (not to mention the C.A.A. insigned personal cards, \$3 for the first hundred and \$1 for each additional hundred, ordered from C.A.A. Employees' Association).

The anterooms were relatively empty, and when I was finally conducted into his presence across acres of thick carpeting, I was very much impressed with the subdued and dignified atmosphere of his office. He sat behind a tremendous mahogany desk, signing letters with quick, nervous little flourishes of his pen, after scanning each one briefly.

A young man in a dark business suit, apparently a secretary, stood by the side of the desk, waiting respectfully to take away the completed correspondence. Harry looked up as soon as I entered the room -- my guide had left me at the door. He smiled genially, and extended his hand across the desk, saying, "Mr. Wallach, is it?" "That's right, sir", I replied, realizing that someone had taken the trouble to phone my name ahead. Harry offered me a chair across the desk and said, "Well, I'm very happy to meet you; we always enjoy seeing CAA people here. Is there anything I can do for you?" In the face of such genial treatment, I couldn't just blurt out that all I wanted was to get a check cashed. I expressed my gratitude for the way things had been going, and chatted about rent control and the efficiency of the services.

Just as I was leading up to the subject of check cashing, Harry said, "I hate to interrupt this charming conversation, but as you know President Auriol of France is arriving from New York -- perhaps you'd like to accompany me?"

Of course I accepted this gracious invitation. On the way down to the starting point of the parade, I mentioned my financial difficulties. Harry chuckled that famous chuckle of his and said, "Even if you were a Republican I'd be happy to help you get your check cashed. Just give it to my secretary when we get back, and tell him I said it would be all right to cash it out of the petty cash fund." As my concern of the moment was taken care of, I resolved to relax and enjoy this gala occasion.

The parade was beginning; in front of us was a company of motorcycle policemen, a number of gleaming limousines flying the flags of many different Embassies, a motorized Marine color guard. People lined the streets to watch the President of the United States greet the President of France. I thrilled at the momentous atmosphere of this occasion. The Presidential car was an open-top sedan, closely followed by a closed limousine (used in case it should start to rain). Secret Service men were all around us, conspicuous even in plain clothes because of their serious expressions and the inevitable right hand in the overcoat pocket. From time to time I could feel the close scrutiny of one of these steely-eyed men. This was to go down in my memory as one of the proudest moments in my life, standing so close to the President of the United States. As the car started with a little jerk, he braced himself on the back of the front seat (I could see his knuckles whiten) and turned on his sixteen-cylinder smile, nodding occasionally to the throng.

As the car passed, it almost looked as if he nodded and smiled directly at Harry and me, standing on the curb by the starting point. As soon as he was out of sight, we sighed in unison and turned to go back to the little hotel of which Harry was the assistant manager.

.....

A TIME OF DECISION FOR EVERY MAN

Decoration Day 1951 is close at hand and adds another serious thought to this war-conscious world. There'll be many more decorations than there were a year ago.

How to win a war and stave off a bigger one is in the minds of everyone. Everywhere there are official debates, questionings, opinions of columnists and commentators.

It's a time for every man to sift fact from opinion, think clearly, and decide for himself.

.....



**CHIEF YEOMAN CLARENCE SMITH
VISITS CENTER**

Chief Yeoman Clarence H. Smith, who was formerly with the Supplies and Services Section visited us during April. Smith is now attached to the U. S. Naval Training Center, San Diego, Calif. He was called home due to illness and death of his mother. Our deepest sympathy is extended to 'Smitty' and we hope that he continues to progress in his current assignment and rejoins his old staff here at the Center as soon as the situation permits.

**AACS FLIGHT CHECK CLASS GRADUATES
MAY 4; NEW CLASS TO START MAY 14**

On May 1 flight instructor Elwyn Rowe took five AACS students, the graduating Flight Check and Ground School class, to Wright Patterson Air Force Base, Dayton, Ohio, for a VOR flight check. They returned May 4, reporting a very successful trip.

During the course, which began March 26, four students from another squadron also attended for familiarization with VOR installations, maintenance and flight checking procedures, and for ground school instruction.

Another six-week course began on Monday of this week with Class 51E composed of AACS men. They received instruction under Elwyn Rowe, W. W. Moore, Steve Brodhan, and C. R. Coachman.

**DYNAMIC SPECIALISTS ATTEND COURSE
ON AIRCRAFT VIBRATION AND STRESS**

Dynamics specialists from all the regions will attend a highly specialized course on 'Vibration and Stress Measuring Instrumentation' the week of May 14. W. J. Husic, Aircraft Vibration and Flutter Engineer from Washington is responsible for the execution of the course in the classrooms of the Aircraft Branch and in an AT-6 loaned by the Flight Branch for flight demonstrations. Mr. Husic has prepared all of the demonstration material here at the Center with the assistance of F. R. Schmidt, Aero Design Evaluation Engineer, who is on loan from Region 5.

The primary purpose of the course is to acquaint the respective personnel with the theory, function and application of special vibration and stress measuring equipment. Particular emphasis is to be given to the application of CAA equipment in the certification of new aircraft with respect to substantiation of flutter characteristics and dynamic stresses.

Robert Rosenbaum, who is Chief of the Dynamics and Loads Section in Washington, will also be here throughout the course.

**AIRWAYS OPERATIONS MOVING TO NEW
QUARTERS IN EXPANSION**

Airways Operations Branch, in the process of expansion of training for AACS, Foreign National, and Alaskan Communicator classes, will move to new quarters in Building 25 near the flight line, it was learned last week.

It is expected that the move will require two or three months to complete, and all laboratories and lecture rooms will be relocated.

**DEANE LEAVES AERO CENTER FOR
POST IN WASHINGTON**

Frank S. Deane, for more than four years head of the Budget and Accounts Section, leaves with his family for Washington, D. C., early next week to assume a position as Budget Analyst in the Budget Office.

LOREN CAMERON TO LEAVE FOR ALASKA FRIDAY FOR RECRUITING PROGRAM

In order to obtain aid in a recruiting program, Loren Cameron is to spend three weeks in Alaska. Mr. Cameron will familiarize himself with conditions at the various stations in Alaska, and will use this information in a recruiting program for Communicators for Alaska duty.

FACILITIES INDOCTRINATION GETS ADDITIONAL SPACE FOR TRAINING

New quarters have been provided to take care of recent training expansion in Facilities Indoctrination. The Remote Control Equipment Section has been moved to the west end of the building formerly used as ILS/VOR transmission lines laboratory. New control racks have been secured and, under direction of J. R. McCown, have been readied for classroom and laboratory instruction.

CHIEF OF PMD POSITION ADVERTISED

The position of the late J. H. Washburn has been announced under the National Promotion Plan. The position calls for General Engineer, GS-13.

BIGGERS AND SHEDENHELM MAKE TRIP

Hope Biggers, Aircraft Branch Chief, and L. E. Shedenhelm, head of the Technical Assistance Division, made an official trip to the Chicago area April 21 - 30 obtaining information on manufacturing, operational, and airline maintenance procedures.

WASHINGTON TRAINING OFFICIALS VISIT FACILITIES BRANCH

L. G. Elias and A. J. Larson, both Washington officials in Maintenance Standardization, visited Facilities Branch last week. Mr. Larson returned to Washington on Thursday, while Mr. Elias remained for further conferences on training affairs.

MC CABE'S SUCCESSOR NAMED

Aircraft Materiel Section takes pleasure in welcoming Don A. Brown, who will take over the duties of C. D. McCabe, who is now with the armed forces. We hope that Mr. Brown enjoys working with us. It's a big job and we're glad to have you with us.

ACTIVITIES AT THE BIOPHYSICIST LAB CONCERN VISION PROBLEMS IN AVIATION

For the past several weeks the sound of hammers has been ringing and the odor of newly stained and varnished wood permeates the air of the Biophysicist's Laboratory in Building 48. There have been installed cabinets, furniture, and equipment necessary for the work of this department, which will be concerned primarily with visual problems as they have to do with aviation.

The duties of Dr. Peter J. Sutro, Officer in charge, are not only problems of visual research and the preparation of reports of his findings, but he also assists Dr. John J. Swearingen, Chief, in the Altitude Chamber.

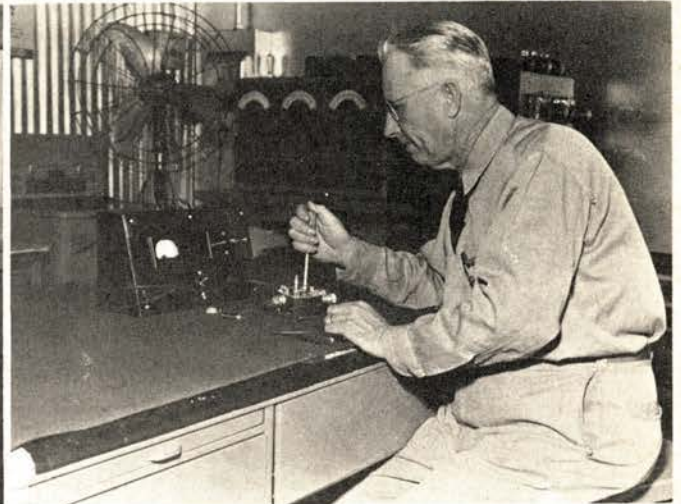
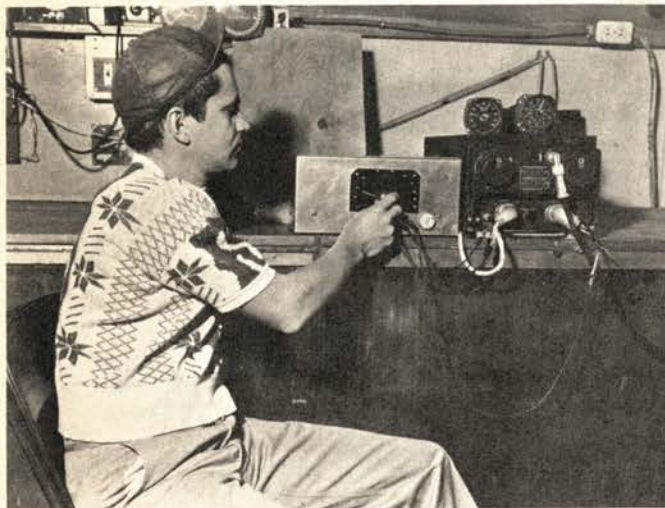
In April Dr. Sutro made a trip to Washington, D. C., where he attended a meeting of the Optical Association of America. One of the highlights of this meeting was a tour of the Bureau of Standards and a Colloquium on Vision at which papers were presented by the outstanding men of the country in this field.

In May a second trip was necessary to attend a meeting of the Committee of the National Research Council on Armed Forces Vision. Papers outlining the accomplishments on the problem of seeing short flashes were of much interest and value.

A demonstration of the use of searchlights to illuminate battle fields at night was given, as was the method of illuminating radar rooms without interfering with the operator's clear view of the radar screen. Both of these demonstrations were highly useful and interesting features.

NEW AIRPORT SURVEILLANCE RADAR IS IN OPERATION

The new ASR-1 (Airport Surveillance Radar) equipment at Facilities Branch was put into operation two weeks ago and pending late modification still to be made, will be utilized for training purposes for the current radar class, it was reported late last week. J. T. Nessmith, engineer-in-charge in the ASR-PAR training laboratory has had opportunity to demonstrate operation of the new equipment to interested parties the presentation of moving targets only which is an important feature of the ASR-1, aroused particular interest among the Center's technically-trained personnel.



THE NEWS IN PICTURES AT AIRCRAFT SERVICES

Monroe Ebner continues to keep you posted with pictures of affairs in the big hangar where he and his crew keep the training ships of Aviation Safety in flying trim.

Upper Left is a scene of the recent Beechcraft inspections and repairs. Hovering over the Beechcraft fleet is Douglas C-54, N-50. The men are, left to right: Roland Hain, Lindon Loudermilk, Melvin Cameron, M. C. Morgan, Weldon Burnett, James Poole, and Monroe Ebner. Merrill Morgan is one of the pilots and was doing some helpful inspection at the time the photo was snapped.

At Lower Left is a picture of Eddie Ruof and his invention, the DME Distance Simulator, or "Rabbit No. 2", as referred to in the March issue of the **BEACON**. What does Einstein have that Ruof doesn't have in the way of skill, knowledge, appearance, etc.

The Upper Right photo shows personnel of the Branch checking the capacity of a water pump, timing same to find if it will actually carry the amount of water necessary for the flight testing on center of gravity limits on Douglas C-47, N-500. The water is used as a weight shifting device and saves time during class work in the air under loaded conditions. Along with the time-saving feature it provides a safety factor to be able to discard the 'weight' overboard in flight without endangering life and property below in the event of necessity. The men are, left to right, standing: Jack Lamb, Weldon Burnett, Arthur Homberg; sitting is Roy Meinecke. Mr. Burnett is the foreman supervising the project.

At Lower Right is "Pop" Nuckolls, shown with his invention of a test gear for checking and balancing induction vibrators used for boosting starting spark.

AEROMEDICAL CONVENTION MEETS IN DENVER

Army, Navy and civilian personnel meet at the Aeromedical Convention which is to be held in Denver, Colorado, May 13 through 16.

Captain Philip W. Stumm, on leave from the Aeronautical Center Medical Clinic, is doing aviation medical research for the Air Force. He will be in attendance at the convention. He is currently stationed at Murock, Calif.

John J. Swearingen, Acting Chief, Medical Branch, and Mrs. Berneda Benson, Aeronautical Center Nurse, will attend the convention.

ADDITIONAL BUILDING IS UNDER CONSTRUCTION AT FACILITIES

An additional two story building is being prepared for occupancy in the Facilities Branch area to provide space for expanded training in the Distance Measuring Equipment Course.

The new building will be divided into classrooms and laboratory equipment sections, with some upper story space partitioned for instructor offices. The new move will relieve congestion in the radar training building and is expected to take place in three or four weeks.

DIXIE LEWIS TRANSFERS TO SHREVEPORT

Mrs. Robert Smith (formerly Irene Glover) is again in the District Office of Aviation Safety in Oklahoma City after an absence of some years. She returns from Big Spring, Texas, taking the place of Dixie Lewis, the little girl with the big brown eyes and the southern drawl.

Mrs. Smith says it is good to be back home and Dixie writes that it is wonderful to be in Louisiana. She does not yet have a permanent address to which her friends can write. We miss you, Dixie, but we are glad you're happy in the 'Southland'.

AIRCRAFT SECTION CHIEF OF REGION 7 VISITS CENTER

Rudy Gaechter, Chief, Aircraft Service Section, Region 7, paid a visit to the Aero Center beginning the week of May 7. In a discussion as to the best time to go to Everett, Wash., he tells us after the first of July and before September if you want to miss the rains. Too, the longest dry spell on record for Everett, 26 days, was a recent report. It was pleasant having you visit Mr. Ray's office, Mr. Gaechter. It's always nice to be able to put a face with a name when corresponding.

FACILITIES TRAINING CLASSES ARE SCHEDULED AS FOLLOWS

Indoctrination:

Class	Starting	Ending
20	-	May 18
21	-	June 15
22	-	July 13
23p	May 21	Aug. 10
24	June 18	Sept. 7

ILS/VOR

23	-	May 11
24	-	June 1
25	-	June 29
26	-	July 20
27	May 14	Aug. 10
28	June 4	Aug. 31

Please see back pages of the BEACON for complete listings of students in current classes.

MEDICAL OFFICER FROM REGION FOUR AIDS AERONAUTICAL CENTER

Dr. W. A. Ostendorf, Regional Medical Officer of Region Four, Fort Worth, Texas, was a welcome visitor at the Aeronautical Center on April 23 - 25.

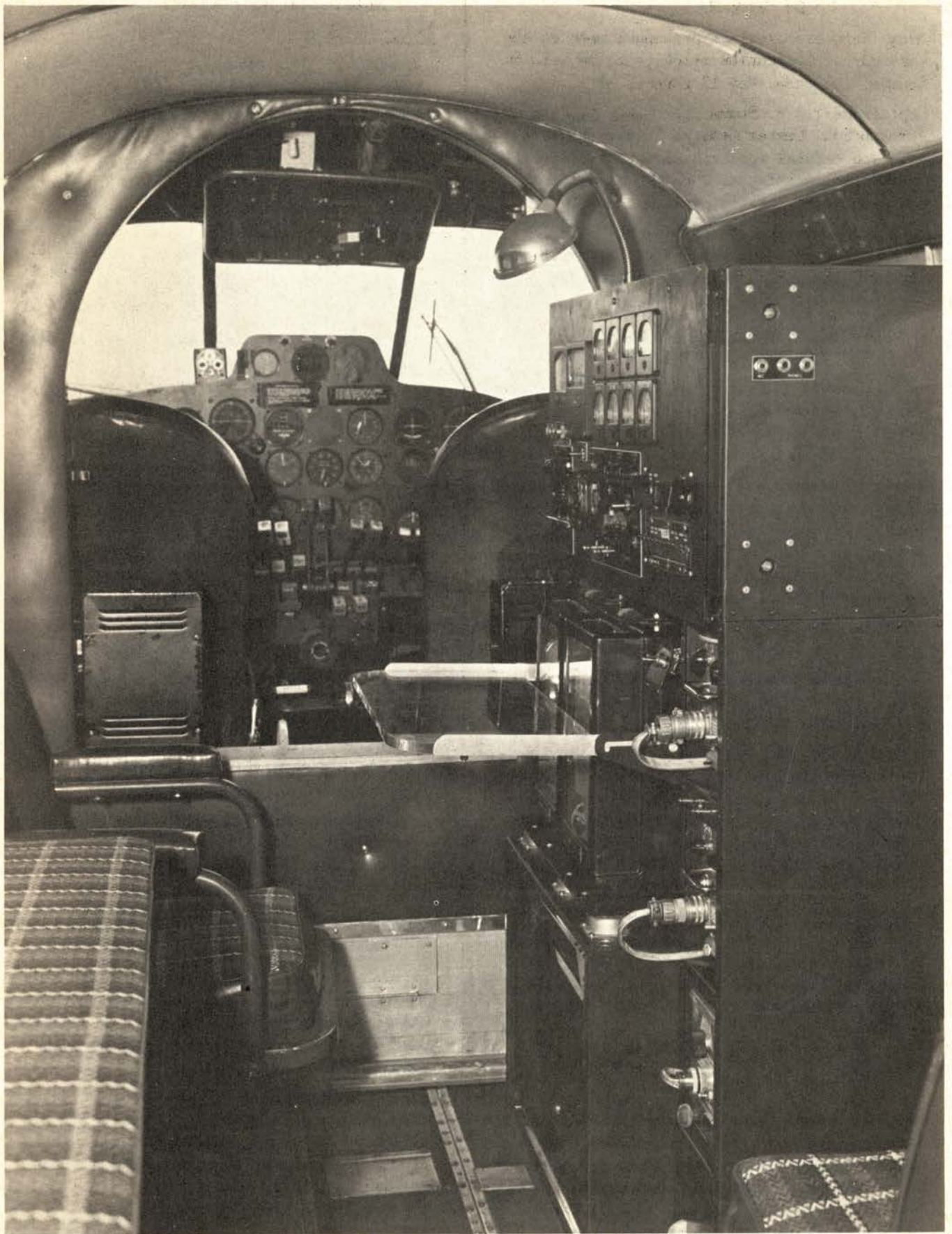
Not having the services of a doctor, many of our pilots were faced with expiring medical certificates. John F. Hann, of the Safety Operations Branch flew to Fort Worth and brought Dr. Ostendorf to the Medical Clinic, where he did some thirty examinations in the three days he was here.

We are deeply indebted to Dr. Ostendorf and heartily appreciate his playing the part of a good neighbor.

DRS. KING AND SWEARINGEN ADDRESS AIR TRANSPORT ASSOCIATION CONFERENCE

Dr. John J. Swearingen, Medical Branch, and Barry G. King, Ph.D., Medical Division of the CAA Washington Office, attended the Air Transport Association Operations Conference in Miami, Florida, in April.

Drs. Swearingen and King presented an accumulation of data on the various problems of high altitude commercial operations. These data included Swearingen's work on explosive decompression and problems such as: useful consciousness time after explosive decompression at 30,000 feet; explanation of some aspects of breathing; gas expansion; bends and cold, and other aeronautical medical problems.



9

AIRCRAFT AND EQUIPMENT STANDARDIZATION OF CAA FLIGHT INSPECTION PLANES CONTINUES AS MORE PLANES ARE DELIVERED; ELECTRONIC EQUIPMENT REVIEWED

The work of standardizing and modernizing CAA Flight Inspection aircraft, both in regard to the airplane itself and electronic equipment, continues at top speed at the Aeronautical Center.

According to latest information from William M. Matthews, Aircraft Standardization Chief, and J. C. Shimp, Flight Inspection Branch Chief, a Douglas DC-3, N-16, was delivered to New York for Region 1 on April 28.

Another DC-3, N-18, is expected to be ready sometime this week, and R. J. Goechter arrived from Seattle on May 3 for familiarization with the 'new' Douglas before returning with it to Region 7.

As for the Beechcraft program, two more have been delivered since the last report in the BEACON and one will be ready sometime this week. 'Chet' Shimp flew N-44 to Kansas City on May 5 and returned May 9, bringing N-97 for standardization.

Beechcraft N-46 was delivered to Chicago, Region 3, on May 9 and late this week N-47 will receive final flight tests before its departure for Region 6.

Shown on the previous page is a view of the interior of a standardized Beechcraft, showing details of seating, equipment, and cockpit installations.

A review of the scope and quantity of electronic equipment as installed in the Douglas and Beechcraft is given for those who might be interested. Supervising the electronic installations for the Douglas is Steve Brodnan, and for the Beechcraft, Max Kincaid.

The Beechcraft, due to its weight limitation and size, has a limited installation. The basic difference between the Beechcraft and Douglas is that the Douglas has dual equipments usable at all times, omni receivers, glide path receivers and radio compass. The Beechcraft has one omni receiver which functions as a localizer receiver for ILS operation and as an omni receiver, and the installation provides one spare rack for a spare receiver to be carried inoperative.

In addition to this, the plane carries one glide path receiver in operation and one spare. For communications equipment, there is also a marker receiver but with no spare rack. All of this equipment is mounted in a main J-box and rack inside of the cabin of the aircraft, and located under the long seat at the left side of the photo on the opposite page. This rack in-

stallation is portable, installed with plugs and may be easily removed.

Tied to the equipment through cables and plugs are the aircraft pilot's indicators, frequency selectors and power. To this rack is also attached by one cable and plug the recorder console, which provides two recorders, one electric driven, and the other synchronized through a mechanical coupling, for recording deviation indicator movement and recording various transmitter circuits. This recording console is portable and may be removed by four bolts and pulling out two plugs.

This installation was made keeping in mind the CAA Aviation Safety group which does not require a recording console. It could therefore be replaced by an additional chair.

The basic low frequency navigation equipment consists of one ADF mounted in the tail compartment and one low frequency transmitter with the trailing wire. VHF communication is provided by the TRA. VHF transceiver also installed in the tail.

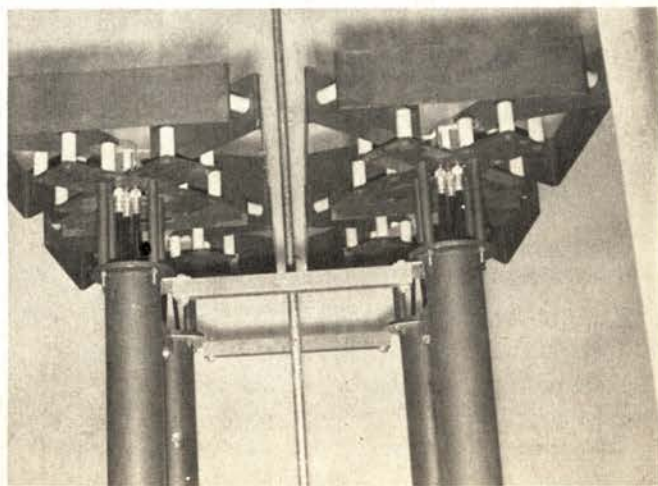
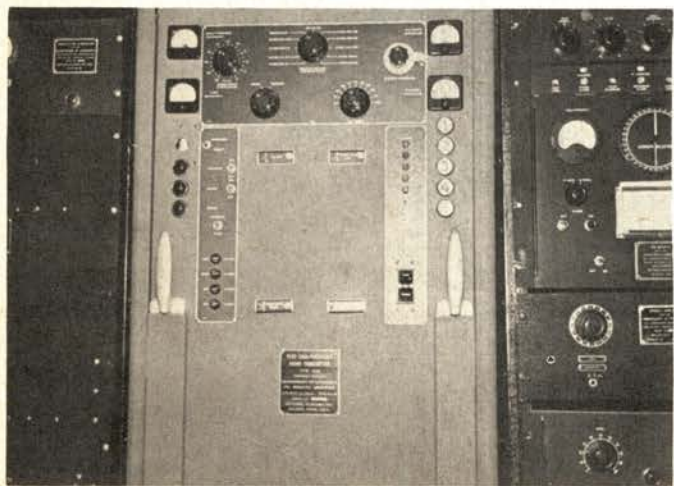
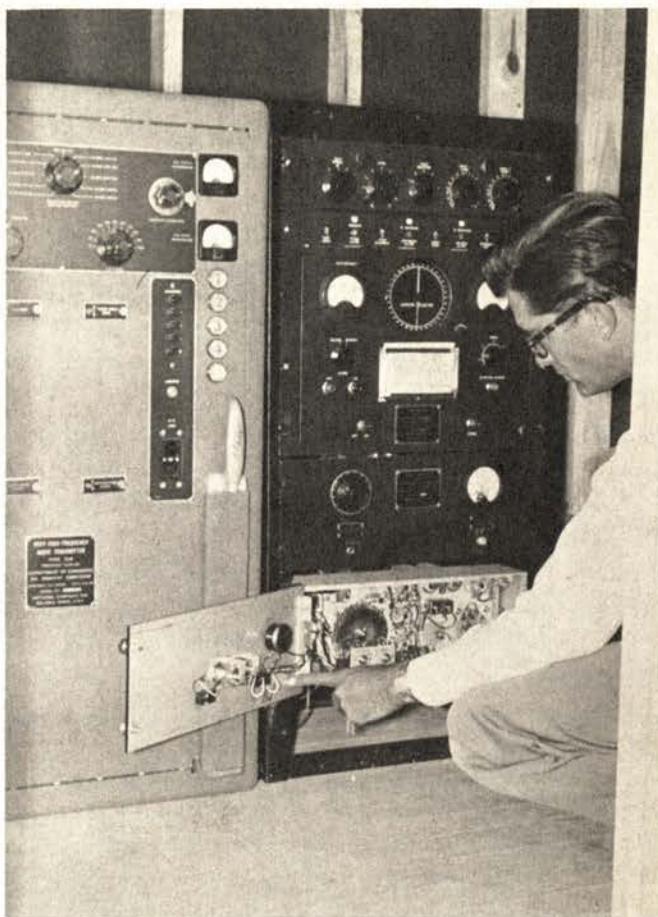
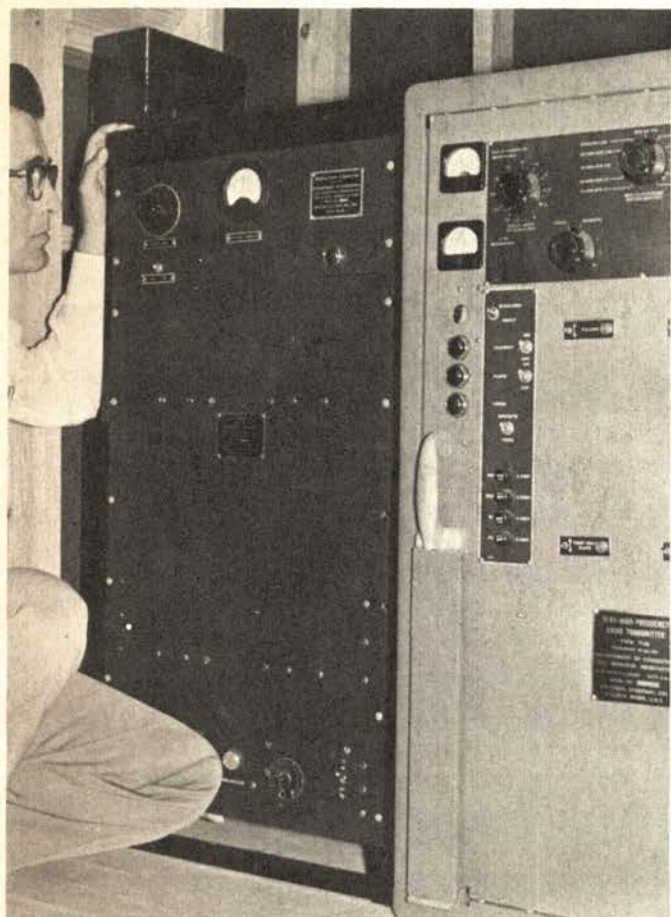
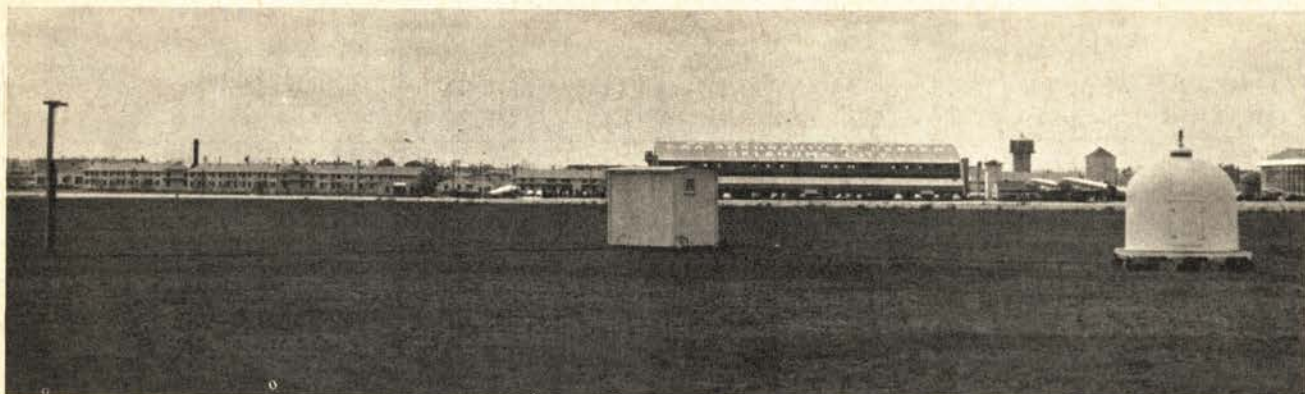
This aircraft could be operated as cargo category aircraft by removing the main J-box in the cabin and the recorder console. The aircraft would then have one ADF transmitter and VHF communication.

The whole installation was designed for unit construction, everything connected together by plugs so that it can be constructed outside the aircraft and the minimum of cables which would have to be permanently attached to the aircraft. The Beechcraft Standardization was designed keeping in mind weight and balance limitations. It is a limited aircraft; however, for short range operation will perform every function that the standardized Douglas will do.

The Douglas, having greater load limit and room carries an electronic auto-pilot with flight path computer for automatic approaches, dual installation of omni, glide path and ADF, plus additional liaison receiver and higher powered transmitter, auxiliary power unit, and one additional recorder. Special provision has been made for the DME interrogator when that equipment becomes available and necessary. Provision is also made for low frequency omni range equipment.

This installation in the Douglas has the optimum flexibility for flight inspection, good flying range and adequate heating equipment and comfort for long range flight check projects.

.



- 11 -

TERMINAL VISUAL OMNIRANGE IS INSTALLED AND OPERATING AT WILL ROGERS,
TEST UNIT TO REMAIN UNTIL PERMANENT INSTALLATION IS MADE BY REGION 4

The installation of the Terminal VOR at Will Rogers Field for training and checking purposes was begun during the second week of April, and is shown at top of the preceding page. The new facility is located on the south side of the intersection of the NW-SE and NE-SW runways. The primary purpose of the installation at Oklahoma City is for evaluation of the facility by Aeronautical Center flight personnel and for familiarization by transient pilots. This type of facility will allow a pilot to make direct instrument approach on any of the four runways which intersect near the center of the field.

Installation of the equipment and the conducting of the flight tests were made by W. Murray of the Technical Development and Evaluation Center.

Originally, it was planned to use this installation for test purposes only; however, it has been decided that the temporary installation will be used until a permanent facility can be installed by the Fourth Region. The maintenance and custody of the equipment has been assigned to Leonard Haggard, Electronic Technician in charge of Field Office No. 22, Oklahoma City, Oklahoma.

The equipment for the TVOR is housed in a temporary 8 x 12 foot structure constructed of masonite sheet over 2" x 4" framing. This house, as well as the installation of the electrical wiring and laying of power cables for the project, was fabricated and installed by the Project Materials Division Engineering Branch. The electronic equipment comprising the TVOR installation is quite streamlined in comparison to our regular VOR installation.

A Type TUQ, a very high frequency transmitter (center of bottom left photo) is used as a Radio Frequency source. The equipment in the Oklahoma City installation is arranged with the transmitter mounted in the center with the goniometer placed to the left, along with a modulator eliminator. A standard VOR monitor and keyer oscillator are located on the right hand side of the transmitter. A speech amplifier is mounted in this same 43" rack for placing voice on the facility during flight checks. Clyde Daniels, PMD Engineering Branch chief is shown in the center photos pointing out these equipment details.

The antennas for the installation are housed in the new type plastic dome. There is only one detector, and it is located on the magnetic

south from the antenna cluster.

Installation of the antennas for the TVOR differs from the installation of the antennas for a regular VOR inasmuch as only four loops (bottom right photo) are utilized instead of the usual 5-loop array. The carrier loop has been eliminated, and the carrier energy is fed to all four sideband loops by using a unique bridge circuit comprised of closed loops between sideband antennas. The two bridge arrangements allow sideband energy to be fed to the sideband antennas in essentially the same manner as the regular antenna installation, but the carrier energy is fed to all antennas in phase.

The range, or distance from which satisfactory signal strength can be received from the Oklahoma City TVOR, is surprisingly good - this range being 30 to 35 miles for minimum altitudes. The range for our regular VOR is 45 miles at minimum altitudes.

The frequency of the Oklahoma City TVOR is 114.4 megacycles. The carrier is modulated with an identification signal of 1020 cycles per second which is keyed with the identification letters OIV. The temporary installation does not contain a voice feature, but it is understood that the permanent facility will have provisions for applying voice modulation.

.....

ANNUAL FACILITIES PICNIC SCHEDULED FOR JUNE 9 AT WILL ROGERS

The annual picnic given for Facilities people by the Japonica Garden Club will be held June 9 at 2:00 PM at the south shelter and club house in Will Rogers Park. It was announced by Mrs. O. A. Nash, garden club President.

There will be the usual highly competitive baseball game, fried chicken and fun for all. Bring the children.

For details of menu et. al, please phone Mrs. Robert Swinney, 58-7791, or Mrs. Robert Lee, 62-8346.

.....

Wonder how much "Alimony" Rita will get.



WELCOME TO THE CENTER PAWNERS'!

Thursday, April 12 - K. R. Aldrich and H. B. Pickering, of the Washington Office of Aviation Safety, arrived in connection with the new Aviation Safety induction class which began April 16.

Messrs. Taylor, Russell and Benben, of Region Three, visited the Aircraft Standardization, in connection with the standardization of N-46.

Tuesday, April 17 - Glen Goudie, of the Technical Development and Evaluation Center, arrived for a two-day visit at the Flight Inspection Branch.

Wednesday, April 18 - Michael Brega, of Region 6, arrived to pick up N-47 which was recently standardized by the Center.

R. G. Reckner, Flight Operations Agent, flew Beechcraft N-390 from New York for standardization and departed April 27 in Beechcraft N-43 returning to New York.

Jack Webb, George D. Doil, and R. H. Hunt returned N-70, DC-3, to the Center after completion of 3-month tour of regions.

Thursday, April 19 - C. E. Wise, of the Washington Office of Federal Airways, visited the Center's Project Materials Division.

Monday, April 23 - Messrs. Pfrommer and Bush, the Washington Office of General Services, spent several days at the Aircraft Standardization Division.

Thursday, April 26 - John Warlick, of the Washington Office of Aviation Safety arrived in Oklahoma City for an over-night stay.

Friday, April 27 - O. E. Patton, Aviation Safety Aircraft Division, Washington, visited the Aircraft Standardization Division.

Wednesday, May 2 - Mrs. Virginia Johnston, of the Personnel Office in Washington, arrived for a 3-day visit at various offices at the Center.

Wednesday, May 2 - W. J. Husic, of the Aviation Safety Aircraft Division, Washington, arrived at the Aviation Safety Standardization Division in connection with the special course on flutter and vibration instrumentation beginning May 14.

R. J. Gaechter, Region 7, arrived at the Aircraft Standardization Division in connection with N-18 undergoing standardization.

Monday, May 7 - E. S. Hensley, Director, Office of Aviation Safety, visited several offices at the Center, including the Aviation Safety Standardization Division. During his visit he addressed the new Aviation Safety Agents, who are now taking their indoctrination training at the Center.

Messrs. Elias and Larson, of the Washington Office of Federal Airways, visited Facilities Branch during the week of May 7.

John R. Kennedy, of Region 9, arrived for detail as Communications Instructor in the Airways Operations Branch.

R. B. Meyersburg and C. Richards, from Flight Engineering Branch, Washington, D. C., arrived in Beechcraft N-7, left equipment, and departed May 8, returning to Washington.

OUR VISITING EMPLOYEES

Mrs. Sybil Andes, Facilities Stenographer, is on two weeks annual leave. She left May 7 for a trip to Tennessee and Washington, D. C.

A. D. Edgerton, Facilities Indoctrination chief, was on leave the week of May 7. He made a trip to Kansas.

Scott and Lyla Fisher (Medical Secretary) spent the week end in Dallas, Texas, where Mr. Fisher attended a sales meeting. Lyla spent the time visiting an Aunt in Dallas, and friends in Fort Worth.

William F. Edwards, Facilities Flight Inspection, is presently on vacation, enjoying his leave doubly this year by breaking in a brand new Ford.

Mr & Mrs. R. L. Morris (Medical Clinic) made a business trip to Little Rock and Texarkana, Ark. the week end of May 4.

Kenneth Jenkins, Facilities Branch, is spending two weeks annual leave at his home.

Richard Erwood, Facilities Branch, leaves May 14 for Indianapolis and points in Florida on four weeks annual leave.

BASEBALL SEASON GETS UNDER WAY

Under the guidance of Harold Murphy, Manager, the CAA Transporters (so-called after the Douglas Aircraft), played the RO (Regional Office) Senators in a six inning game on May 7. The score was 16 to 9 in favor of Murphy's Transporters. Line up follows:

Transporters		VA RO Senators	
Matthews	1st Base	Burnett	Rt. Fld.
Randall	L. Fld.	Warren	3rd Base
Ruof	S. Stop	Bailey	Catcher
Wilson	C. Fld.	Carico	S. Stop
Murphy	Pitcher	Freeman	2nd Base
Dykes	3rd Base	Redding	Pitcher
Glasco	2nd Base	Croy	L. Fld.
Combs	R. Fld.	Shelton	1st Base
Cravens	Catcher	Grisson	C. Fld.

Murphy pitched the entire game, striking out two men. He allowed 16 hits and 8 walks. A double play in the 2nd inning was from Glasco to Ruof.

The star of this game was Randall, who hit a homerun in both the second and fourth innings. Combs also hit a homer in the second inning.

George Dennis, Manager of the CAA Hedgehoppers (named for Beechcraft) did not fare so well when his boys met the VAH (Veterans' Administration Hospital) Indians. They went down to defeat in 8 innings with a score of 6-5. Line up follows:

Hedgehoppers		VA Indians	
Appling	Catcher	Ferguson	2nd Base
Dennis	S. Stop	Fidgley	L. Fld.
Elliot	Pitcher	Travis	3rd Base
Skidmore	1st Base	Fron	Pitcher
Kirby	L. Fld.	Bilby	S. Stop
Foster	2nd Base	Bowles	1st Base
Meyers	3rd Base	Brown	C. Fld.
Penner	C. Fld.	Wiley	Catcher
Dodgin	R. Fld.	Wheeler	R. Fld.
		Perkins	Sub. for Ferguson

Dodgin was relieved in the 6th inning by Eaton.

This game played on the 10th was much more interesting and showed much more competition in the ranks of the VA players.

Until the 6th inning the CAA was ahead - 5-1. The hospital team warmed up and scored in both the 6th and 7th innings. The winning run was made in the 8th inning.

A number of players are still needed. Come on out, you fellows. We have teams with real potentialities, but we need several more players. We need rooters also; so if you can't play, come and see the games. Time - 6:00 at the Will Rogers Ball Diamond.



Following is the schedule for this season:

First Round

- May 7 - RO Senators vs. CAA Transporters
- May 9 - VAH Cardinals vs. RO Brownies
- May 10 - VAH Indians vs. CAA Hedgehoppers
- May 14 - CAA Hedgehoppers vs. RO Brownies
- May 16 - CAA Transporters vs. VAH Indians
- May 17 - RO Senators vs. VAH Cardinals
- May 21 - VAH Cardinals vs. CAA Hedgehoppers
- May 23 - VAH Indians vs. RO Senators
- May 24 - RO Brownies vs. CAA Transporters
- May 28 - CAA Transporters vs. CAA Hedgehoppers
- May 30 - RO Brownies vs. RO Senators
- May 31 - VAH Cardinals vs. VAH Indians
- June 4 - RO Brownies vs. VAH Indians
- June 6 - CAA Transporters vs. VAH Cardinals
- June 7 - CAA Hedgehoppers vs. RO Senators

Second Round

- June 11 - CAA Transporters vs. RO Senators
- June 13 - RO Brownies vs. VAH Cardinals
- June 14 - CAA Hedgehoppers vs. VAH Indians
- June 18 - RO Brownies vs. CAA Hedgehoppers
- June 20 - VAH Indians vs. CAA Transporters
- June 21 - VAH Cardinals vs. RO Senators
- June 25 - CAA Hedgehoppers vs. VAH Cardinals
- June 27 - RO Senators vs. VAH Indians
- June 28 - CAA Transporters vs. RO Brownies
- July 2 - CAA Hedgehoppers vs. CAA Transporters
- July 4 - RO Senators vs. RO Brownies
- July 5 - VAH Indians vs. VAH Cardinals
- July 9 - VAH Indians vs. RO Brownies
- July 11 - VAH Cardinals vs. CAA Transporters
- July 12 - RO Senators vs. CAA Hedgehoppers

Third Round

- July 16 - RO Senators vs. CAA Transporters
- July 18 - VAH Cardinals vs. RO Brownies
- July 19 - VAH Indians vs. CAA Hedgehoppers
- July 23 - CAA Hedgehoppers vs. RO Brownies
- July 25 - CAA Transporters vs. VAH Indians
- July 26 - RO Senators vs. VAH Cardinals
- July 30 - VAH Cardinals vs. CAA Hedgehoppers
- Aug. 1 - VAH Indians vs. RO Senators
- Aug. 2 - RO Brownies vs. CAA Transporters

(Continued Page 15)

BASEBALL SCHEDULE



Pictured above are members and guests of the CAA Corners of the World Square Dance Club at the club dance held at the VFW Hall on April 20, 1951.

Club dances are held on the first and third Fridays of each month. Monroe Ebner is President and Dick Wenzel is Secretary-Treasurer of the club. Dues are \$2.50 per month per couple, payable monthly.

All CAA employees and their friends are cordially invited to join the club. The next dance will be held on May 18, 1951.

The club boasts of three generations of Square Dancers: Mr. and Mrs. R. H. Wynn, parents of Mrs. Woodrow Wilson, and Eldon Wilson, son of Mr. and Mrs. Woodrow Wilson.

SPORTS

Remember the Women's State Bowling Tournament at Tulsa? There were only two entries from the Aeronautical Center who brought home any money. Ava Wells and Esther Woods placed in doubles. They didn't say what place, but the fact that they brought home some of the money is something.

Ava Wells and Asia Krause attended the Breakfast for the Women's Bowling Association at Tulsa April 29, and it was quite a lovely breakfast. The entertainment was superb, and of course, there were several different types of souvenirs to bring back home.

BASEBALL SCHEDULE (Continued From Page 13)

Third Round (Continued)

Aug. 6 - CAA Transporters vs. CAA Hedgehoppers
Aug. 8 - RO Brownies vs. RO Senators
Aug. 9 - VAH Cardinals vs. VAH Indians
Aug. 13 - RO Brownies vs. VAH Indians
Aug. 15 - CAA Transporters vs. VAH Cardinals
Aug. 16 - CAA Hedgehoppers vs. RO Senators

All games will be played at the Will Rogers Field diamond. Game time is 6:00 PM. Team listed first is home team.

ALL LEGAL SIZE, TOO

Floyd Henderson, our new assistant in the Mail Section, has spent the last several week-ends on the creek banks. Floyd reports that he and three friends caught twenty-eight fish in Cash Creek, near Temple. He is trying Arkansas waters May 11 and 12.

Wouldn't an Employees' Association fish-fry be fun? How about it, Floyd?

EMPLOYEES' ASSOCIATION NEWS

The name of Warren W. Smith, AC-627, was inadvertently omitted from the last list of new members of the CAA Employees' Association. Our apologies, Mr. Smith. However, we did show your division as one of those proud ones with a 100% membership.

George Dennis and Anita Lauderdale, AC-623, are the only new members we have to report in this issue.

The only flowers sent this past month were for the funeral of Bob Spears' father. We hope there was no one overlooked.

Division and Branch Secretaries, please keep the Association secretary advised when she should send flowers.

AMATEUR CLUB GETS NEW ANTENNA

"Greater love hath no man" - than the amateur who will donate his own antenna to a club radio station. That is just what "Stew" Wight has done (on a loan basis, of course). Disgusted with the high noise level of the vertical receiving antenna located near the power lines, "Stew" strung up his own doublet antenna between Buildings 10 and 127. Now, maybe he can contact the Saturday morning CAA net without having to guess at what the other operators are saying!

GROUP HOSPITAL SERVICE MEMBERSHIP

Applications for membership in Blue Cross and Blue Shield - Group Hospital Service are acceptable until July 15, 1951. Contact Doris Hartley, Flight Operations Office, Ext. 25.

Type	Blue Cross(Mo.)	Blue Shield
1 Member only (no maternity bene- fits)	\$1.40	\$1.10
Total Both Plans Mo. -	\$2.50	
2 Member & spouse and all unmarried children under 21 years of age	\$2.80	\$2.20
Total Both Plans Mo. -	\$5.00	

NOTE: An enrollment fee of \$1.00 is charged for each Blue Cross application to cover cost of processing. This does not apply to Blue Shield applications.

IN THE BEACON A YEAR AGO

Harry Donceel wins contest for naming the BEACON-

- *Sperry Zero Reader installed in N-400.
- *Policies & Procedures graduates its first BL2 Flight Navigator Refresher Course.
- *Facilities announces continuous summer schedules.
- *Geo. Crowley goes to Florida. (Comes back later).
- *Shedenhelm visits Boeing at Wichita for data on test flying jet aircraft.
- *Lila Hampton announces engagement to Harold Hermes.
- *CAA Spring Dance spotlights social scene.
- *99ers, women pilots, tour Center.
- *Shively goes to Washington.
- *Gardner attends Amateur Hamfest.

NOTICE TO SECRETARIES

Floyd Henderson, the new employee in the Mail Room, will be making a mail run at 8:30 AM from now on. So, have your outgoing mail ready for him bright and early.

WITH "THE COLORS"

Frank Lawrence, formerly of the Aircraft Services Branch, returned recently to take his family with him to San Antonio. Mrs. Lawrence (Ann) was formerly with the Airways Operations Branch. She and Frank are learning to speak French. For future use, no doubt.

Robert W. Ray has returned from two weeks active training at Chanute Field, Rantoul, Illinois, and it's good to have him back again. Two weeks in the Air Force didn't change him a bit except for that streamlined figure.

Robert Bridges and Joel Chennault of the Aircraft Services Branch left April 20 for active duty with the Air Force. They are to report to San Antonio soon and from there their destination will be Casablanca. Their fellow workers presented each of them with a leather traveling kit. We hope they will return in the not too distant future.

John Hann, of Safety Operations Branch, will leave May 20 for two weeks active duty with the U. S. Naval Air Reserve in Dallas, Texas.

Norman Salles, former foreman with the Aircraft Services Branch who transferred to the 8th Region, has returned to the Center for an Orientation & Induction Course. He reports it is cold in Alaska.

Robert L. Smith (husband of Irene Glover Smith of the ASDO) is stationed at Nellis Air Force Base, Nevada, where he is awaiting his call to overseas duty.

Sgt. Leonard A. Robertson, Tinker Air Force Base, was a visitor at the Aeronautical Center recently. Robbie wears his uniform with an air, but we still like him in 'civvies' better.

NEW SECRETARY AT PMD

PMD welcomes another female employee -- now 98 males, 2 females. Frances E. Cornelius has been employed by PMD and serves as secretary to Clyde Daniels, Chief Engineering Branch.

(April 15 through May 14)

- 16 -

NEW EMPLOYEES

Aircraft Standardization:

Edward J. Hogan

Airways Operations Branch:

Robert A. Riedel - Transfer

Charles W. Antweiler - Transfer

Budget & Accounts:

Miss Maxine Barger

Contracts & Requirements:

Mrs. Carol B. Peters

Hal C. McVey

Facilities Branch:

Mrs. Golda M. Trimble

Miss Netheline M. Jenkins

Donald M. Baker

General Services Branch:

Donald M. Brown

Gerold Tessman

Personnel Section:

Joe W. Bailey

SEPARATIONS AND TRANSFERS

Aircraft Standardization Project:

Loreas C. Boyles - Military Service

James E. Beaves - Military Service

Leon C. Batey - Resignation

Oscar E. Hamilton - Resignation

J. Preston Lee - Resignation

Personnel Section:

Mrs. Freda O. Weldon

Aircraft Services Branch:

Robert A. Bridges - Military Service

Joel A. Chennault - Military Service

Contract & Requirements:

Mrs. Virginia Anders - Resignation

Facilities Branch:

Mrs. Sally L. Ellis - Resignation

Facilities Flight Inspection Branch:

Loring G. Craymer - Transfer

General Services Branch:

Leonard A. Robertson - Military Service

Safety Operations Branch:

Leland G. Covert - Transfer

Hanson C. Westcott - Transfer

And then there was that requisition for Claude Gardner that was disapproved only because it was already too late.

GIRLS AGAIN TO THE RESCUE

If you happen over to Mr. Ray's office (General Services Branch) and there are only two or three girls in the front office, you can start back through the Sections and find the girls working as Storekeepers while the fellows are moving stock. You'd be surprised how many orders those girls can put out and how much material they can bin.

Course, it is not in their job descriptions, but necessity often alters cases.

PERSONNEL CLERK ENJOYS VACATION

Daisy Dovell, Personnel Clerk, is taking two weeks annual leave, working in her rose garden and soaking up Oklahoma sunshine.

Tentative plans are underway for a fishing trip to Lake Texoma and perhaps Lake Carl Blackwell. Daisy returns to work May 21.

WHAT'S COOKIN' AWA?

Ava Wells, General Services Branch, took a flying trip to Portales, N. M., recently. You know, she said she had a good time, the flight was wonderful, but she didn't tell us all about it. H-m-m-m!!

NEW HOMES

Of course the Highfills enjoy guests anytime, but there's grass to be planted and much yard work to be done. Could it be that they are hoping some of the guests might prove helpful?

Beverly and Gene are extending a cordial and URGENT invitation to their friends to visit them in their new home at 3816 NW 33-Skyline Drive.

Al and Berneice Reed will move this week into their new five room brick home at 3251 Otterson Drive-Skyline View, Oklahoma City. Al is Aviation Safety Agent, stationed at Will Rogers Field. Berneice is secretary in the Facilities Branch.

NEW CARS

James Poole, Instrument Technician in the Aircraft Services Branch, is sporting a new, bright green Henry J Kaiser automobile.

George Hudson, Assistant Chief, Aircraft Services, has said goodbye to his Crosley and has a shiny new Ford

Like the robin of spring, new cars are harbingers or vacation days ahead.

STORKVILLE NEWS

Nancy Jean is the name the John Temtes have given their new daughter, born April 24. John is with the Aircraft Branch. The Temtes have three other children.

Jack and Kay Brown have almost come down out of the clouds now. Their young son Robert Scott was born March 27. Kay is on leave from the Budgets and Accounts Office and expects to return to duty in June. Congratulations, Jack and Kay. We are happy with you over the arrival of your little one.

HOPIN' FOR A SPEEDY RECOVERY

Mrs. Dorothy Weissenberger, Aircraft Branch, is still unable to return to duty. She has spent some time recently with her parents at Lone Wolf and is now taking mild exercise, but still has the back in a brace. When Dotty will return to duty is uncertain.

We are glad to hear Pop Jenson's wife is feeling better. Hope she has a speedy recovery.

Scotty Sell's father recently underwent an operation; however, is coming along nicely. Our best wishes for a speedy recovery.

Stella Johnston, sheet metal worker in Aircraft Standardization, suffered a back injury which required hospitalization. She is at home now and recovering nicely. Stella does not expect to return to work for two more weeks.

Edwin Frame was confined to his home and under a doctor's care this week because of a recurrent foot trouble, the result of an old injury suffered while in military service.

OUR DEEPEST SYMPATHY

Bob Spear, Aircraft Branch, has returned from a trip to Washington, D.C., where he attended the funeral of his father. You have our sincere sympathy, Robert.

Have you heard the 'train whistle'? Ask Phillip Van Ostrand, PMD, if he's hearing things, or was there really a train on the west track. Van, maybe you'd better check the north track the next time a whistle blows.

Have you noticed the deep brown Hawaiian mahogany hue that Carol Wynn is developing? Wonder where she takes those sun baths?

18 AVIATION SAFETY

Course C2-Air Navig. Aids & Oper. Ref-4/16- 4/27/51

Putnam, Burleigh	Anchorage, Alaska
Cooper, Kenneth S.	Washington, D. C.
Fisk, James A.	Denver, Colo.
Jefferson, Lamar W.	Chicago, Ill.

Course B3-Instrument Rating Refresher

4/30 - 5/11/51

Plunket, Wm. J.	Springfield, Ill.
Ray, T. H.	Miami, Fla.
Stahl, Lloyd L.	Washington, D. C.
Zentner, John S.	Grand Junction, Colo.

B6-Type Rating on M-E Equipment

4/30 - 5/11/51

Bernhard, Maurice B.	New York, N. Y.
Kostura, John J.	Amarillo, Texas

DL-General Flight Refresher

4/30 - 5/11/51

DeLany, R. W.	Kansas City, Mo.
Freeland, R. D.	New York, N. Y.

Course B10-Seaplane Ratings

4/30 - 5/11/51

McCullough, S. F.	St. Louis, Mo.
Ross, Donald E.	Brownsville, Texas
Schultz, Milton O.	Lincoln, Neb.
Skinner, Charles G.	Cincinnati, Ohio

Course B5-Airline Transport Cer. Ref.

4/23 - 5/4/51

Bullock, C. R.	Dallas, Texas
Rudd, Wortley F.	San Antonio, Texas
Ruggenberg, Myles	Portland, Oregon
Vollmer, Paul J.	Columbus, Ohio

ARRIVALS

ILS/VOR Class No. 26-4/23 - 7/20/51

Region 2	Farris, Geo. W.	Tullahoma, Tenn.
	Moore, B. G., Jr.	Pensacola, Fla.
Region 3	Hill, R. J.	Freeland, Mich.
Region 4	King, James L.	Sulphur Springs, Texas
	Thompson, J. W.	Salt Flat, Texas
Region 5	Beasley, G. E.	Cheyenne, Wyoming
Region 6	Rotramel, W. T.	Clearfield, Utah
Region 7	Malone, Geo. L.	Helena, Montana
Region 8	Baker, D. M.	Fairbanks, Alaska
	Snyder, James	Anchorage, Alaska

Indoctrination Training Class No. 22

4/23 - 7/13/51

Region 1	Katz, J.	Philadelphia, Pa.
	Parham, R. G.	" "
Region 2	Reid, Larkin L.	Greensboro, N. C.
	Robertson, C. T.	Decatur, Alabama
	Smith, Edgar J.	Jackson, Miss.
	Smith, Gene H.	Miami, Fla.
Region 3	Herendeen, R. E.	Berea, Ohio
	Hesketh, James G.	Cleveland, Ohio
	Roszhart, V. R.	Battle Creek, Mich.
Region 5	Payne, Garner D.	Kansas City, Mo.
Region 6	Fox, Raymond O.	Salt Lake City, Utah
	Hatch, A. C.	Lynwood, Calif.
	Phillips, Alden	Redding, Calif.
	Smith, Chas. O.	Hollywood, Calif.
Region 7	Airas, Bruno E.	Mullan, Idaho
Region 8	Hendricks, H. F.	Anchorage, Alaska
	Hines, Roger J.	" "
	Love, Homer A.	" "
	Lovelace, H. V.	" "
	Wilkins, Earl F.	" "

International Region

Alorda, Juan Jose	Mexico
Kriadis, Nick	Greece
Maheras, John	Greece

DME Class No. 5 - 4/30 - 7/6/51

Region 2	Coker, Francis	Myrtle Beach, S. C.
	Harris, Cecil E.	Spartanburg, S. C.
	Leonard, G. B.	Jacksonville, Fla.
	Radford, G. E.	Atlanta, Ga.
	Sherrill, Hugh P.	" "
Region 3	Kasper, A. S.	Covington, Ky.
	Kilpatrick, L. V.	Moline, Ill.
	Margulies, I.	Evansville, Ind.
	Sauer, O. W.	Terre Haute, Ind.
Region 4	Cochran, J. W.	Fort Worth, Texas
	Ladeau, Wm. D.	Roswell, N. M.
	Parks, J. D., Jr.	Little Rock, Ark.
	Payne, Ralph C.	Shreveport, La.
	Schindler, M. J.	Wichita Falls, Texas
Region 5	Glottzbach, W. L.	Burlington, Iowa
	LeRoy, Thomsen	Kansas City, Mo.
	Ramsey, J. L.	" " "
Region 6	Dolan, Geo. F., Jr.	Los Angeles, Calif.
	Norelius, R.	" " "
Region 7	Eggers, Earl L.	Eugene, Oregon
	Lehman, H. Z.	Seattle, Wash.
	McCarthy, Geo. E.	Everett, Wash.
	McConnel, H. L.	Seattle, Wash.
	Watkins, Paul E.	" "

DEPARTURES

ILS/VOR Class No. 23 - 2/12 - 5/11/51

Region 1-Lang, Walter B.	Roanoke, Va.
Region 2-DeVaughn, L. L.	Atlanta, Ga.
Simpson, Geo. W., Jr.	" "
Region 3-Conner, James C.	Erlanger, Ky.
Region 4-Goff, Wayne H.	Lafayette, La.
Spence, R. E.	Little Rock, Ark.
Region 5-Livezey, R. L.	Montezuma, Iowa
Region 6-Galloway, L. G.	Ogden, Utah
Sorenson, R. S.	Blythe, Calif.
Region 7-Blucher, Ralph C.	Whitehall, Montana
Kuehne, Albert	Pocatello, Idaho
Region 8-Killian, Frank E.	Annette, Alaska

DME Class No. 4 - 2/19 - 4/27/51

Region 2-Fariss, G. F.	Atlanta, Ga.
Harrington, J. E.	Meridian, Miss.
Howard, S. A.	Albany, Ga.
Jackson, Guy	Mobile, Ala.
Looney, M. C.	Birmingham, Ala.
Saunders, R. C.	Atlanta, Ga.
Region 3-Buettner, N.	Minneapolis, Minn.
Dagle, E. F.	Park Ridge, Ill.
Graham, H. R.	Indianapolis, Ind.
Yunk, G. W.	Louisville, Ky.
Region 4-Boring, H. D.	Austin, Texas
Creager, J. C.	Houston, Texas
Highley, T. H.	Albuquerque, N. M.
Martin, M. M.	Tulsa, Okla.
McDowell, E. V.	Fort Worth, Texas
Myers, K. L.	Amarillo, Texas
Region 5-Burton, R. E.	Kansas City, Mo.
Cook, Edgar L.	" " "
Locke, Wm. A.	" " "
Payne, Bob M.	" " "
Region 6-Henke, G. W.	Oakland, Calif.
Kay, S. F.	Los Angeles, Calif.
Warr, W. S.	Fresno, Calif.
Region 7-Chambers, Wm.	Seattle, Wash.
Mehner, Robt.	" "
Perkins, Milton	" "
Ross, Theodore	Portland, Ore.
VanHoose, O. K.	Eugene, Ore.
Region 8-Edlund, Robert	Anchorage, Alaska
Green, Wallace G.	" "
Nelson, Ralph	" "

ARRIVAL

ILS/VOR Class No. 27-5/14 - 8/10/51

Region 1-Younghein, G. A.	Parkersburg, W. Va.
Region 2-Catron, M. M.	Chattanooga, Tenn.
Region 4-Beers, Jack S.	Fort Worth, Texas
Neubauer, C. A.	Tulsa, Okla.
Region 8-Barton, Jack C.	Anchorage, Alaska
Costello, J. D.	Anchorage, Alaska

AIRCRAFT BRANCH

Vibration & Stress Measuring Instrumentation5/14 - 5/18/51

Blomer, Charles I.	New York, N. Y.
Cooper, Harold L.	Aero. Center
Fearnow, Dwight O.	New York, N. Y.
Overbey, Charles A.	Miami, Fla.
Rudder, Eugene J.	Fort Worth, Texas
Schmidt, Francis R.	Kansas City, Mo.
Sutro, Peter J.	Aero. Center
Wiant, Harry	Chicago, Ill.
Willett, Norman L.	Los Angeles, Calif.

Presented by:

Husic, W. J.

Rosenbaum, R.

Washington, D. C.

Washington, D. C.

.

WANT ADS

FOR SALE - Colt revolver, 'Official Police' Model, .38 special calibre, six inch barrel, almost new condition. Will include over a half box of cartridges at the special sale price of \$52.00. Extension 8, or call 99-3322 after business hours.

FOR SALE - 4 each new General 6.70 x 15 tires and tubes \$107.50. Retail price is \$121.36. Contact Ted DeWitt, General Services Branch, Ext. 10.

FOR SALE - 2 Child's E-Z-Do Desks \$1.50 ea.
 2 Child's Lawn Chairs .50 ea.
 1 Covered Chair & Foot Stool 3.00
 1 Walnut Chest of Drawers (4 Drawer) 15.00
 2 Bunk Beds & Mattresses 15.00 pr.
 1 Chest of Drawers (5 Dwr) 10.00
 1 Sandwich Grill (Sunbeam) 5.00
 1 Porch Rocker 1.00
 1 High Chair 1.00
 1 Maple Boudoir Chair 5.00

See or call Frank Deane, 1817 NW 32, or Phone 54-5060.

FOR SALE - Betty Crocker Iron. Good condition. Used 6 months. - \$8.00. Contact Marion Abshire, Ext. 22.

FOR SALE - Schick '20' electric shaver. Brand new. \$15.00. Contact C. Z. German, CAA Regional Office, Kansas City, Mo., if interested.

FOR SALE - Boy's good blue suit. Coat worn twice. Size 16. Contact Lyla Fisher, Ext. 56.

FOR SALE - Chicken Fryers - \$1.50. Ed Frame, 9-0919.

FOR SALE - RCA Victor table model phonograph combination, Separate 45 rpm attachment. Helen Elliston Ext. 34 or 66.



Landlord: "The last man who lived here was a professor who was always experimenting with some chemicals."

Tenant: "Oh, I see", said the woman, "those spots on the ceiling are chemicals".

Landlord: "No, - they're the professor".

.....

Jane: "You're always wishing for something you haven't got."

June: "Wouldn't it be silly to wish for something I have?"

.....

Big Drop of Ink: "Where has your brother been lately?"

Little Drop of Ink: "He's in the pen, finishing a sentence."

.....

Miss Green: "I know he's rich, but isn't he too old to be considered eligible?"

Miss Brown: "My dear, he's too eligible to be considered old."

.....

"You can't marry her without permission," said the marriage license clerk. "Why not?" asked the swain. "Because she is a minor." The young man looked stumped: "You mean I gotta ask John L. Lewis?"

.....

City Dude: "Can you tell me how long cows should be milked?"

Farmer: "The same as short ones."

.....

We were sitting in a dentist's office the other day when some guy looked up from the paper he had found on the table and said brightly: "Well, I see there's been some fierce fightin' around that Argonne forest!"

.....

Nothing will ever be attempted if all possible objections must be first overcome. -S.A. Douglas

.....

Nobody minds what I say, provided they think I don't mean it -- which I don't, except now and then.

.....

The moment after a woman begins to like you she begins to criticize you.

.....

The spinal column is a long bunch of bones. The head sits on top and you sit on the bottom.

.....

Gender is the destruction of sex.

.....

The two genders are masculine and feminine. The masculines are divided into temperate and intemperate and feminines into frigid and torrid.

.....

What would you do in the case of a man bleeding from a wound in the head?

I would put a tourniquet around his neck.

.....

Water is composed of two gins. Oxygen and Hydrogin. Oxygen is pure gin, Hydrogin is gin and water.

.....

DEFINITIONS

Decalcomania - Particular form of insanity.

Sinister - An old maid.

S.O.S. - Musical term meaning "same only softer."

Anatomy - Study of heavenly bodies.

Adagio - A kind of anesthetic dancing.

Socialist - A man who goes to parties all the time.

Bamboo - An Italian baby.

Inertia - The ability to rest.

A Goblet - a male turkey.

A simile - A widening of the face when pleased.

Romantic - A Roman being loyal to Rome.

Octopus - A person who hopes for the best.

.....

Turning to the best player of the bridge foursome, the novice asked, "How would you have played that last hand of mine?"

"Under an assumed name," was the prompt answer.

.....

Mother is the necessity of convention.

.....