

## CAA AERO CENTER



## "BEACON"

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

February 21, 1952

OKLAHOMA CITY, OKLAHOMA

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### DISTINGUISHED VISITOR FROM INDIA TOURS AERONAUTICAL CENTER

Dr. P. Nilakantan, Deputy Director of Research and Development, Civil Aviation Department, New Delhi, India, was a visitor at the Aeronautical Center from March 10 through March 14, 1952. He is in the United States to obtain information on the organizational structure of the CAA and functions of the various divisions.

In addition to the Washington Office he is visiting Regional and District offices to obtain first hand information on the functions of these offices and duties performed by the various personnel.

His visit to the Aeronautical Center was for the purpose of obtaining information on methods used and subjects covered in courses of instruction conducted by the Aircraft Branch. This information will be used by the Government of India in courses of instruction to be given to its aviation safety personnel.

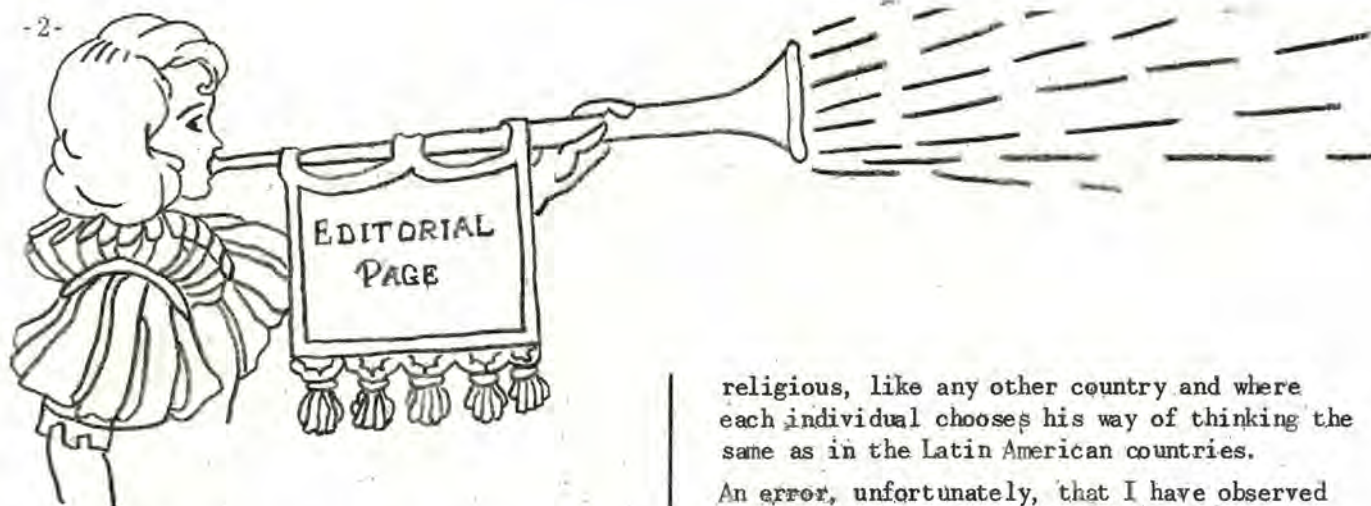
Dr. Nilakantan was greatly impressed with our courses and methods of instruction and stated that he would like very much to spend more time at the Center and hoped he could return in the near future.

### FACILITIES INSTRUCTORS PARTICIPATE IN TORNADO TRACKING RESEARCH PROJECT

Four instructors of the Facilities Branch are installing equipment for tracking tornadoes, and are working in conjunction with another tracking station at Oklahoma A&M College, Stillwater. It is hoped a system of tracking can be worked out so that tornadoes can be detected as they begin to form and can be tracked continuously. Basically, the idea is this. The tornado signal, lightning discharge, is received by the station and identified as a tornado from the character of the signal. By using two direction finders, one at Stillwater and one at Oklahoma City, the position of the tornado can be determined by triangulation.

Instructors participating are: C. W. Chapman, L. R. Clements, J. P. Lindsey and F. G. Smith. The tornado tracking enterprise is a research project of Oklahoma A&M and has no connection with Weather Bureau activity. The Aeronautical Center is cooperating in the installation at Will Rogers Field and information gathered could be useful to the CAA at Will Rogers Field. The system, if successful, would enable pinpointing of tornado funnels after the general area of possible tornado activity is established.





## WE MAKE A NEW FRIEND-AND AMBASSADOR

From time to time The BEACON receives letters from young men of other countries who live with us for a time attending technical training schools. Mingling intimately with us they observe closely our way of life, our customs and traditions, our democracy. They can't help but compare. They react deeply - and look for some way to tell us publicly what they see and how they feel. The BEACON is happy to provide the opportunity as space permits. The letter following has been edited only to the extent of smoothing out the language difficulties of the writer to make it more easily read.

14 de Febrero de 1952

Editor of the "BEACON"

Thanks to the Point 4 program I find myself enjoying a Fellowship, to have the opportunity of studying in the CAA in my chosen profession, to learn and exchange ideas with the wonderful people of North America, especially its young people. Their eagerness helped me to continue and become proficient in my work. To the CAA and especially to the Aeronautical Center in Oklahoma City I have warmest respects and appreciation. Their training officers and instructors have guided me on the path for a better tomorrow.

I find myself very much impressed with the excellent personnel, their ideals, observing the Golden Rule for all without distinction of race or belief.

In regard to the people of the United States I must be sincere, not only for myself, but for the betterment of the two Americas. The people of the United States are very practical. Movies and newspapers have given bad impressions that have been used for propaganda. But the case is that all this is false. During my short stay in this environment, I have observed that it is entirely different from the opinion that I had formed before arriving in this hospitable country. I see that it is

(Continued Next Column)

religious, like any other country and where each individual chooses his way of thinking the same as in the Latin American countries.

An error, unfortunately, that I have observed is that people believe that the Latins, not enjoying the progress of this great country, live like savage Indians. I say this because on many occasions they have asked me about this.

Although it is true that I lack much knowledge of this country the way that I have been received and treated here in Oklahoma gives me the impression that I will be welcomed in the rest of the country. I find myself deeply in gratitude for the hospitality given me during my stay here.

With respect to the young people of the United States I can say that they are the same as Latin-American youth; restless, eager for knowledge, desiring a better future. I hope that this great nation continues bringing students from foreign countries, since we represent the best medium of propaganda in order to make known the customs, culture, art, religion and political views for the great Nation.

I wish to express appreciation to the editor of the Beacon for the courtesy he has given me in allowing me this great service. Thanks a million.

A Student from Panama  
Carlos A. Contreras

## BEHIND THE NEWS THIS ISSUE

Again and again showing that the Center is taking an active part in the training of U. S. Air Force personnel the Beacon shows on later pages by picture and story how the Flight Inspection Branch conducts its highly specialized courses. Much has been done in cooperation with the Air Forces to provide military personnel with training in the latest standardized practices as developed by the CAA in the accurate flight inspection of air navigation facilities.

What do air navigation facilities look like? From time to time we have published by photograph and story what the electronic ground

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Remember now thy Creator in the days of thy youth, while the evil days come not, nor the years draw nigh, when thou shalt say, I have no pleasure in them. Ecclesiastes 12-1

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equipment for CAA facilities consists of, how it operates, how it is installed and maintained, and what it does for the pilot who depends upon it for guidance in flight. This month we feature the latest model of Distance Measuring Equipment (DME). Given the type designation, DTB, this new equipment will appear along the airways in increasing quantities. Whatever your job or position you will be directly or indirectly concerned with this latest addition to aviation aids. You should find it interesting reading.

### ILS VOR INSTALLATIONS PROGRESSING

Work is progressing on the installation of the second localizer and VOR for Facilities Branch training purposes. Installation work has reached the point on the localizer where interconnecting of units may be started. Installation work is being done by the instructors in the ILS VOR unit who are able to help along with their other work. They are being assisted by Robert Bond, Maintenance Technician in the Facilities Branch.

Word has been received by C. E. Gardner, Facilities Chief, that a new counterpoise will be made available for the second VOR installation. Work will begin very soon on erecting the counterpoise structure and will be performed under the direction of Clyde Daniels of the Engineering section of PMD. After the counterpoise is completed, the installation work on the equipment will be done by the instructors of the ILS VOR unit. Instructors who have been helping with all installation work in the ILS VOR training unit are Glenn Smith, J. P. Lindsey, Carl Drumeller, Robert Lee, J. R. McCown, J. T. Cupp, and W. J. Rosenberry. The construction and installation work is all being supervised by C. W. Mueller Radio Aids Section Chief.

### INSTRUCTOR TRAINING UNIT COMPLETED

The Facilities Branch Instructor training course has been completed for this session but will be started over again in the very near future. Plans are being made to issue a certificate of completion to those instructors who were in attendance at most of the sessions. Eventually, we hope to have all instructors complete the course.

### NOTES ON INDOCTRINATION TRAINING SCHOOL

A new RUP communications receiver manufactured by Hallicrafters has been received and is being included for instruction in the Receivers course taught by O. A. Nash. The RUP is a VHF receiver with remote control variable tuning.

Equipment is being moved into the recently completed "H" type building to be used for the Receivers and Remote Control Equipment courses.

The relatively new Neilson method of artificial respiration, now used by the military services, is being taught by Mrs. Benson in First Aid Instruction.

### ILS/VOR INSTRUCTORS TAKE FIELD TRIPS

E. G. Crippen departed on March 17 for a two week assignment in Kansas City to observe and obtain information on the new null reference glide path equipment being installed. The information which will be obtained will be incorporated in the Glide Path Course.

C. C. Drumeller is scheduled to depart on March 31 for Ft. Worth for a two week assignment. He will accompany Fourth Region personnel to various stations to obtain information concerning actual facility operation which can be included in training.

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Air Force Flight Inspector Class 52-D, top picture, are observing operation of the azimuth calculator. Elwyn L. Rowe, Chief Airway Flight Inspector and Wilford W. Moore, Airway Instrument Flight Inspector, are pictured below.





## FACILITIES FLIGHT INSPECTION SCHOOL IS CHIEF SOURCE OF FLIGHT INSPECTOR TRAINING FOR AIR FORCE PILOTS

In April, 1947 a group of Airways Inspectors from several of the regions met at the Aeronautical Center to discuss a proposed indoctrination course for Airways Flight Inspection personnel and inaugurate a plan for putting the proposed course into immediate operation. From this conference, it was developed that a course of this kind was of vital necessity in providing adequately trained personnel to accomplish satisfactory flight inspection of all radio aids to air navigation.

A plan was adopted and from this beginning has developed the present Flight Inspector Training Course, conducted by the Facilities Flight Inspection Branch, which indoctrinates all Air Force trainees prior to being sent out as Flight Inspectors. This course is offered primarily for the Airways and Air Communications Service, 1856th Flight Checking Squadron based at Tinker Field, which has the responsibility of flight checking all of the Air Force facilities in the United States, Bermuda and Panama. The Air Force requires that all flight inspectors take this seven weeks course at the Aeronautical Center before becoming full-fledged flight inspectors. Upon completion of the course, they are assigned to experienced flight check pilots in the squadron as co-pilots for a period of six months before being allowed to flight check as senior pilots. Pilots assigned to this school must have special qualifications insofar as instrument flying is concerned, and a total flying time of at least 2500 hours. In addition to pilots, each class is assigned navigators and radio observers to accomplish assigned duties in this field.

Included in the course are theory and practice on the flight check procedures for VHF omni-range, Low Frequency four-course range, Fan Markers, Radio Homing Beacons, Instrument Landing Systems, Surveillance and Precision Approach Radar and all other currently used aids to air navigation. Ground School classes are conducted for Navigation, Meteorology, Radio Theory, VOR Azimuth Calculation, and the analysis of flight data recordings.

Shown in the picture on opposite page observing the azimuth calculator in operation, is

Air Force Class 52-D which completed its course February 29. This calculator is used in conjunction with recordings made of the Omni-range to find the station error so that the station can be set to tolerances prior to commissioning as an omni station. Left to right: Capt. Charles V. Conrad; Capt. Jack Briery who is now piloting a B-26 bomber in Korea; J. Chester Shimp, Chief of Facilities Flight Inspection Branch; Maj. Lucien L. Paquette who is Operations Officer at 1856th Flight Checking Squadron, Tinker Field; Elwyn Rowe, Chief Airway Flight Inspector; Sgt. Tharon F. Houston, Radio Observer; Capt. Richard M. Ehrlich; Sgt. William M. Jones, Radio Observer and Wilford W. Moore, Airway Instrument Flight Inspector. Not shown in the picture are Chas. R. Coachman, Stephen Brodnan and Max Kincaid who are instructors in the Ground School.

Elwyn L. Rowe, shown at lower left, is in charge of the Air Force flight inspector classes. Mr. Rowe joined the CAA in April 1942 at Houston, Texas, then known as the Standardization Center. He progressed steadily from Link Trainer Instructor to Chief of Link Department, to Instructor in charge of the Coast Guard Instrument flying. He then transferred to the Aeronautical Center in 1946 in Safety Operations as Instructor on DC-3 and DC-4 aircraft. In July 1948 he transferred into Federal Airways, Facilities Flight Inspection Branch and is now Chief Airway Flight Inspector in charge of the Flight Inspector Training School.

Wilford W. Moore is pictured at lower right. He came with CAA immediately following the war in February 1946 after just completing three and a half years with the Air Force as an aviation cadet and Instrument Flight Instructor. His first assignments with CAA were with Air Traffic Control section at Ft. Worth and Will Rogers Tower at Oklahoma City. After serving eighteen months in this position, he transferred to the Aviation Safety Branch at the Aeronautical Center and in January 1950 transferred to Federal Airways Facilities Flight Inspection Branch, where he is now Airway Flight Inspector in charge of instrument training for the Flight Inspector school.





### AIRESEARCH ENGINEERS VISIT THE CENTER

The supervisor of field service engineers, T. J. Butters of AiResearch in Los Angeles, accompanied by R. Q. Heintz, field supervisor of this area, visited the Center on February 13, 1952. AiResearch is one of the major manufacturers of the air conditioning and pressurization equipment used in the latest types of transport aircraft.

During this visit the field agents and engineers attending the course on Air Conditioning and Pressurization (A-5) had the opportunity of discussing design features and service techniques with the AiResearch representatives.

We are grateful to Mr. Heintz for arranging for the visit of Mr. Butters and we feel that it is through the interest of the manufacturer's service representatives that our personnel are able to keep abreast of the latest developments in this rapidly changing industry.

As indicated by the photo, "shutter-bug" Shedenhelm was on hand to catch Mr. Butters in the Act of giving the ungarbled word to the group.



### SAN ANTONIO TRAFFIC CONTROLLER VISITS

A visitor to the Air Traffic Control Section of the Aeronautical Center, February 28, was Ed Miller, Air Route Traffic Controller of the San Antonio Center. Mr. Miller has been a controller in the San Antonio Center for a number of years and was interested in seeing how personnel are trained in his work here at the Aeronautical Center. In the photograph at right, George A. Crowley, Acting Chief, Air Traffic Control Section is shown explaining the operation of the Air Route Traffic Control laboratory to Mr. Miller.



### "THE NAVY TAKES A LOOK"

On February 28, 1952, a group of training officers from the Naval Air Station, Olathe, Kansas, visited the Air Traffic Control Section at the Aeronautical Center to look over our training set-up and exchange ideas on their Air Traffic Control Training program at Olathe. Shown in the photograph looking over the Air Route Traffic Control laboratory are Chief F. H. Kane, ACC; Lt. (jg) J. E. Goodman; Chief E. C. Lee, ACC; and George A. Crowley, Acting Chief, Air Traffic Control Section.

*If you cannot win, make the one ahead break the previous record. -Sunshine Magazine-*



## MANY IN THE CAA MOURN WITH REGION I IN DEATH OF FACILITIES CHIEF WENDLER

Early in March throughout the CAA came the news that E. A. Wendler, Region I Facilities Maintenance Chief, an old-timer with hosts of friends, had passed away. And in the days following Sunday, March 9 the report filtered slowly far and wide and was received with shock and regret.

That he will long be remembered is abundantly shown by his lengthy and outstanding record of service and achievement. An account of his life, begun in Detroit, Michigan June 7, 1901, is the kind of success story many would be proud to call their own.

Among the highlights of his career, devoted almost entirely to the expanding field of radio and electronics, are these:

He was employed by Packard Motor Car Co. in 1919 as a machinist and early in 1922 entered the U. S. Marine Corps as radio operator and maintenance technician. A graduate of the Marine Corps radio school he later became an instructor there. After serving in the Nicaragua Campaign he left military service in 1925 to become radio engineer for the Ford Motor Co. in installation of point to point communication systems.

In 1928 he was called upon by the Detroit Police Dept. to aid in the development and construction of the first police radio call system for motor vehicles in the U. S. In the following two years he served as radio engineer responsible for establishment of high frequency communications for the Firestone Tire and Rubber Co. between Akron, Ohio and Liberia, West Africa. Construction of a broadcast station occupied his attention in 1931.

Mr. Wendler entered the employ of the Federal Government in 1932, first with the Department of Commerce Lighthouse Service Radio Division and later with the Bureau of Air Commerce as radio technician. In 1934 he was senior radio technician working on the first installation of blind landing equipment. By 1938, he was a maintenance inspector in Region I, senior inspector in 1940.

He became Chief of Communications Maintenance Division in 1942 and in 1949 he was promoted to Chief, Facilities Maintenance Branch. During his employ with the CAA he received many meritorious awards for his contributions in the field of electronics.

He is survived by his wife, Marie E. Wendler, two daughters and a son.

## CENTRAL MAINTENANCE STOCK BEING RELOCATED FROM PMD TO CHICAGO -7-

Mr. John E. Abernathy, Deputy Chief, Property Management Branch, Washington, D. C., has been busy during the past three weeks directing the assembling and cataloging of S & E Electronics Maintenance Materials which are being selected for Central Maintenance Stock. These items are being transferred to the custody of the warehouse personnel in Chicago.

In the past these numerous items of maintenance materials have been handled, along with EAMF materials, by the Project Materials Division, The Property Management Branch, Washington Office, will issue a revised catalog listing the items included in this transfer, and will establish procedures for replenishing the stock as it is depleted.

Tentative plans are that regional offices will use this catalog in ordering direct from the Central Maintenance Depot.

## CENTER EMPLOYEES OBSERVE TRAINING OPERATION FACILITY, OLATHE, KANSAS

The purpose of this familiarization trip was to observe the operation of the training facility for Air Controlmen and Radar at Olathe, Kansas.

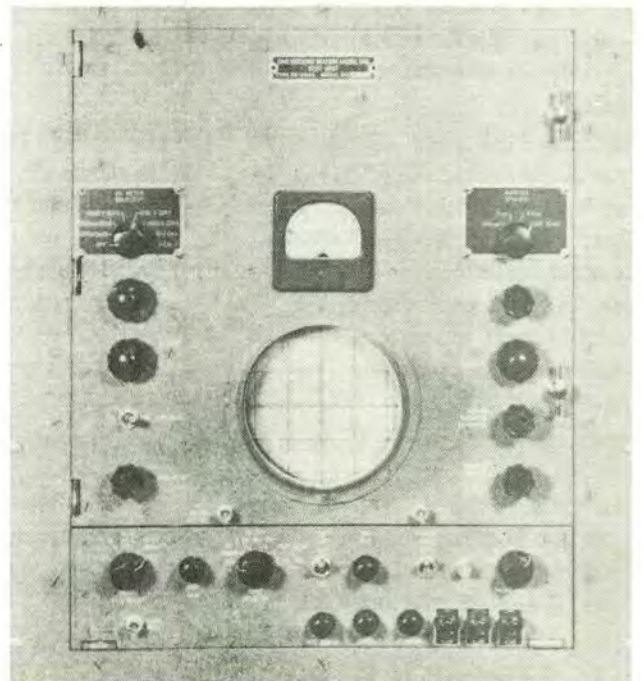
The trip was made in the Federal Airways Flight Inspection, Douglas N-10 by the following persons: Flight Inspection Branch, J. C. Shimp; Facilities Branch, H. A. Todd and Walter Hill; Airways Operations Branch, W. E. Cruse, Charles E. Dowling, Jack W. Grewell; and George Crowley; Division Chief, W. H. Hill.

VOR flight planning and navigation was used and observed by all aboard for the entire trip. On approaching the Olathe Naval Air Station, a request was made for a simulated TCA landing approach. This was granted and very accurate instructions were received which brought the aircraft to an altitude of 50' over the approach end of the runway.

*Happiness may be thought, sought or caught, but not bought.*

It's worth remembering: "Funny thing about temper, you can't get rid of it by losing it."







### RUDASILL SHOWS PETRAKIS DC-4 GADGETS

The two gentlemen in the picture at the left, concentrating on the instrument panel of the DC-4, are N. H. "Rudy" Rudasill and Antonio's "Tony" Petrakis of Greece.

As mentioned in last month's Beacon, Tony is taking a number of Aviation Safety courses in advanced instrument flying, airline transport pilot qualification, and four-engine indoctrination. Tony is a veteran Greek airline pilot but had not previously flown large four-engine type aircraft. This picture was taken at the completion of his DC-4 indoctrination.

Rudy says he completed the course with flying colors.

### AIRLINE OFFICERS STUDY NAVIGATION AIDS

Messrs. Douglas T. Bell, Chief Pilot; Richard E. Merwin, Director of Ground Training, and Budd B. Beisdell, Link Trainer Instructor, of Resort Airlines, San Antonio, Texas, arrived February 19 to spend several days receiving familiarization and indoctrination in the latest aids to navigation--VOR, course line computer, slope line approach system, and omni-range operation.

In the photograph at the left they are in Eddie Ruof's Radio Shop viewing a branch mock-up for testing and adjusting airborne omni-range receivers, while Mr. Morgan explains its operation. These men were taken on a tour of the Safety Operations Branch and spent considerable time talking with the head of each section.

### VISITORS SEE VOR RECEIVER TEST SET-UP

Eddie Ruof of Aircraft Services Branch emphasizes a point in monitoring and testing the circuits in a Collins Airborne Omnirange Receiver for (Left to Right) Bruce Williams, Representative of John A. Green Co., of Dallas, Texas; D. A. Pitman, U. S. Manager of Mardoni Instruments, Ltd., England, and O. A. Nash, Facilities Branch Instructor.

Mr. Pitman was in Oklahoma City to present a technical paper on the "Precision Measurement of Frequency and Time" to the Oklahoma City Section of the Institute of Radio Engineers February 12 and the following day visited the Aeronautical Center at Will Rogers Field.





## FACILITIES BRANCH INSTALLS LATEST MODE TRAINING IN PULS

"90 - 89 - 88 - 87" the needle on the dial in the cockpit of your plane counts off the miles and the pilot is aware continuously of distance to the next station.

Along the highways of the sky, those invisible navigational airplanes, called the Federal Airways of the CAA, there are more and more of these Distance Measuring Equipments.

To install and maintain them requires training. To aid in this training at Facilities Branch, the latest type of "DME" the model DTB, has been received and is now in use.

In the picture on the top of the page opposite is shown the new "distance transponder" with doors open for inspection, and standing beside it, Instructor W. E. Lucey. The lower left photo shows the DTB as it would appear unattended at some CAA navigation facility.

The Distance Measuring Equipment is one of the latest electronic aids to air navigation. It employs a pulse-multiplex system and operates in the vicinity of 1200 Mc. It will enable the pilot to have a continuous accurate indication of the distance to a selected omni-range or touchdown point of an ILS system. When used with a VOR, the azimuth information and the distance information are constantly available thus providing a constant and accurate navigational fix. This information can be fed into a R-O navigational aid (course line computer) and will enable the pilot to fly a desired heading on a straight line course between his point of departure and destination without deviating to pass over range stations, fan markers, etc. This will make possible more complete use of the air space and safer and more accurate air traffic control.

The aircraft will initiate the request for distance information by transmitting a pair of R.F. pulses separated by a certain number of microseconds. If these pulses are on the correct frequency, the transponder at the ground station will accept them and examine the spacing between the pulses. If the spacing is found to be correct, the transponder will transmit a pair of pulses on a different frequency and with a different spacing. These pulses are received by the airborne Interrogator which checks their frequency and pulse spacings and if found to be correct converts the elapsed time between the transmission of the interrogation and the receipt of the reply into distance. This is indicated on a direct reading meter.

the DTB but uses a crystal controlled transmitter and receiver. In addition, it has the synchroscope and other special test equipment that is needed to service the equipment built in. Each DTB has two complete transponders and two monitors and an automatic transfer unit which will change transponders, or monitors if a failure occurs.

Each end rack contains a complete transponder and a monitor. The monitor is at the top, the transmitter, receiver, and decoding and encoding circuits in the center and the modulator and HV power supply at the bottom.

The center rack contains the synchroscope and other built in test equipment at the top of the rack (note photo at lower right), the control and transfer unit near the center and the low voltage power supplies at the bottom.

The center rack also contains the alarm circuits, the remote control circuits and an inter-unit patch panel. The patch panel is used to easily cross-patch the various units of the ground station together for test purposes.

It is possible to use either monitor in conjunction with either transponder. The monitor continually checks a number of the critical parameters of the DME system and causes an alarm if any of them are not within the preset limits. When a fault is indicated by the monitor the automatic transfer unit places the standby transponder in operation. A monitor finding a fault in both transponders in sequence will then suspect itself of malfunctioning and transfers control to the other monitor which again tries both transponders. If after a cross check of all combinations

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## **NEW TRAINING SCHEDULE TO BE IMPLEMENTED IN ILS/VOR**

A new schedule for ILS/VOR Training is now being followed. Beginning with Class No. 40 students will spend six weeks studying on general subjects which are applicable to both ILS and VOR, the Instrument Landing System, and Omirange. The next three week period will be devoted to a study of the Localizer and Glide Path and the last three weeks are devoted to VOR and Glide Path. Perhaps the main advantage to be obtained under the new schedule is better integration of theory and laboratory work. One instructor will conduct both the classroom and laboratory for a given facility. Additional laboratory facilities are proposed or under construction for all facilities and students will have more opportunity to work with the equipment.

## **FLIGHT INSPECTOR CLASSES COMPLETED AND RESCHEDULED**

Army Air Force Class 52-D completed Flight Inspector Training on February 29 with six students receiving certificates for completion: Capts. Jack Eriery, Charles V. Conrad, Richard M. Ehrlich, Maj. Lucien L. Paquette and Sgt. William M. Jones.

AACS Class 52-E started classes on March 10 for a seven week period with four pilots, two radio operators and one navigator enrolled: Lt. Col. Henry D. Smith, Capts. Howard M. Smith, Andy A. Nichenko, Charles B. Finley, Edward M. Doering and Sgts. Kenneth L. Rogers and William M. Livesay.

## **FACILITIES HOLDS ADMINISTRATIVE TRAINING SESSIONS FOR FOUR ILS/VOR CLASSES**

Administrative training week at Facilities Branch held March 3-7 was completed successfully with the able assistance of Frank A. Petrie of the CAA Washington Personnel Office as principal speaker.

The program was organized and coordinated by C. W. Mueller, Radio Aids Section chief. Approximately 50 electronics maintenance technicians participated in the training.

Besides Mr. Petrie, the Washington Office of CAA was also represented in a very commendable

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## **AERONAUTICAL CENTER HOST TO BENDIX IGNITION ANALYZER DEMONSTRATION**

On February 25, and 26, 1952, the Powerplant Laboratory of the Aircraft Branch was the scene of a very educational and interesting display of the modern equipment for locating troubles in an aircraft engine ignition system.

Shown in the photograph is Robert H. Murray, Service Representative for the Scintilla Magneto Division of Bendix Aviation Corporation, as he presented a demonstration of the new Bendix Ignition Analyzer to a group of CAA and industry personnel. Assisting in the demonstration was Charles F. Truman, Sales Representative for Southwest Airmotive, who sponsored the demonstration. A total of thirty people attended the demonstrations representing operators, airlines and local repair agencies.

A separate session was conducted on February 26 for the benefit of Aviation Safety Agents attending the Aeronautical Center Aircraft Electrical Systems Course A-2.

Our sincere thanks go to these gentlemen for the very helpful and interesting training sessions which will be very useful to all who attended.

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## **TD and E PICK-UP LINK TRAINER**

Driver Thomas G. Knoy from the Technical Development and Evaluation Center, Indianapolis, arrived March 19 to pick-up a Link Trainer. This trainer, being surplus to the needs of the Aeronautical Center, was transferred to the TD and E Center where it will be used for experimental research work.



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of transponders and monitors a failure is still indicated, a sustained alarm will be sent to the remote control monitor circuits.

### THE DME COURSE

Beginning with DME class 10 which will start April 21, 1952 the DME course will consist of three sections of three weeks each. This will permit the course to be more closely integrated with other schools of the Facilities Branch and in addition will result in more efficient use of the equipment in the laboratory.

The DME course is designed to teach pulse techniques to Electronic Technicians and Engineers of the CAA as well as to give a thorough coverage of the DME ground and airborne equipments.

The coverage of pulse techniques, in addition to furnishing information essential for the study of DME, will be excellent background as these techniques become more prevalent in the communications and electronic air navigation field.

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manner by Murray Brimberg, Chief of the Maintenance Inspection Branch. Aeronautical Center speakers who appeared on the program included F. M. Lanter, Director; E. B. Olson, Deputy Director; W. H. Hill, Facilities Division Chief; W. G. Forman, C. E. Gardner, Wm. Jackson, J. W. Bailey, Hope Biggers, R. W. Spear, J. C. Straiton, D. S. Anderson, H. W. McKinley, R. H. Ashby, and A. B. Ashley.

The program was arranged in three general categories; Supervision and Personnel Management, Civil Service and CAA Regulations and Forms, and the Character of the CAA and Its Activities.

### AMATEUR RADIO ACTIVITIES - ELECTRONIC KEY IN THE SPOTLIGHT FOR NEXT MEETING

Louis R. Clements, W5SLC, Facilities Instructor, will give a talk on "The Electronic Key" the next meeting of the Aeronautical Center Amateur Radio Club, April 4. Clements has built an electronic key that has elicited envious comment from all who have operated it. Unlike the mechanical "bug" key, this one will make "dahs" automatically as well as "dits". Not only that, but it prevents too close spacing between characters of a letter and makes it impossible to clip a "dit" or a "dah" too short. W5SLC says it has raised his sending

speed from 25 wpm to 40 wpm. Think of the utter horror engulfing the "lid" who procures an electronic key and discovers he cannot send "dits" at 40 wpm while forming his "dahs" at 10 wpm!!

### CLUB GIVEN AWARD

Director A. David Middleton, W5CA, of the West Gulf Division of the ARRL, presented the ACAPC with a replica of the "Wouff Hong", the mystic symbol of the Royal Order of the Wouff Hong, amateur radio's inner-most and exclusive fraternal organization. The molded aluminum trophy will grace the walls of the shack at W5PAA.

### PROGRESS ON VHF

At spare moments, Robert Ashby, W5FXL, Facilities Branch, has been working over the final frequency-multiplier stage of the 144 mc. transmitter at W5PAA. Bob could use the aid of about four willing helpers some weekend to put the finishing touches on the VHF station equipment and antenna. Any volunteers? See Bob Ashby.

### TVI WINS - LOUIE MOVES

Retreating before superior forces, Louie Clements, W5SLC, gave up his apartment at Will Rogers Field, surrounded as it was by scores of similar apartments and television sets. On Tuesday this week he took his Viking to a new roost at 3335 SW 28, an imposing 5-room brick home, with only one TV antenna rearing its ugly head on the skyline.

### TED MCCANN GETS SECOND GUESSER

It has been rumored that unknown parties, who have a sincere interest in the welfare and continued success of our efficient weather prognosticator, sent to Ted Graber, with their compliments, a new 1952 Ladies Birthday Almanac with the following suggestion, to wit:

*"Ted McCann, the weatherman,  
we know you guess the best you can,  
but when your guessing goes awry,  
instead of looking at the sky,  
we suggest you have a look  
at the forecast in this book."*

Ted Graber (alias McCann) gave with the weather daily on WKY-TV until recently.

Who was it who said: THE MARK OF A LEADER IS TO DELEGATE RESPONSIBILITY AND GRANT AUTHORITY TO ACT INDEPENDENTLY.



## FACILITIES CLASS SCHEDULES POSTED

Following are starting and ending dates of classes in the four Facilities Branch technical training schools:

Class	Starts	Ends
<b>DME</b>		
9	Feb. 11	April 18
12	April 21	June 20
13	May 12	July 11
14	June 2	August 1
<b>RADAR</b>		
13	March 31	July 3
<b>ILS/VOR</b>		
41	March 31	June 27
42	April 21	July 18
43	May 12	August 8
<b>INDOCTRINATION</b>		
34	March 24	June 6
35	April 21	July 11
36	May 19	August 8

## PAUL YOUNG WINS HONORS ON TOASTMASTERS SPEECH CONTEST

Several members of the Will Rogers Toastmasters Club, and their wives, were on hand to hear member Paul Young win second place honors in the annual Toastmasters District Speech Contest.

Four other Toastmasters Clubs from Oklahoma City took part in the competition. It was held in the Cafeteria Room of the Y.M.C.A. on March 13, 1952 at 8:00 P. M.

The title of Mr. Young's speech was "Gas Fumes". In it he decried, with telling effect, the unnecessary slaughter on our nation's highways caused by the inexperienced drivers. His declamation was all the more noteworthy because he has only been a Toastmaster for four months.

Hope Biggers, President, and Enar B. Olson, Vice-President, of the Will Rogers Toastmasters Club, served on the panel of eight judges. Chet Shimp, Ray Okerlund, and Loren Cameron were the other members present.

## WASHINGTON PROPERTY OFFICERS VISIT

W. G. Stewart, Deputy Chief, Supply Division of the Washington Office accompanied by John E. Abernathy, Property Specialist of Washington, and Joseph E. Sharon, Property Management Officer of Region 3, called on Supply & Services. Arrangements were made for transfer of Central Maintenance Stock from PMD to 3d Regional warehouse.

## GLEN GOUDIE AT CENTER

-13-

Glen Goudie, Technical Advisor for the Iceland government, has been a frequent visitor to the Center for the past several weeks conferring with training and supply officers.

## RONALD PULLING ON REVIEW TEAM

Ronald W. Pulling, Chief, PMD, who has been in Washington, D. C. the past three weeks, has been appointed a member of a Review Team, which is to conduct a survey of Establishment Air Navigation Facilities (EANF) in all regions including Hawaii.

## FACILITIES INSTRUCTORS RETURN FROM FIELD TRIP IN EAST

Richard G. Erwood, Chief Instructor of the ASR-PAR course, and L. V. Thompson, Radar Instructor, returned last week from a trip to the East where they visited the General Electric factory at Syracuse, N. Y. and Bendix at Baltimore in connection with new model radar equipment currently under manufacture. Mr. Erwood also visited the radar installation at the Technical Development and Evaluation Center at Indianapolis.

## VISITORS TO FLIGHT INSPECTION

On March 6 William M. Robertson from Region 2 brought in Beechcraft N-106 for standardization and picked up standardized Beech N-72. Mr. Robertson has the distinction of being the first regional administrator to personally come to the Center for accepting delivery of a standardized aircraft.

Charles F. Patterson from Bendix Aviation Corp., Teterboro, New Jersey, visited Flight Inspection Branch to exchange redesigned and modified flight path computers with older ones in service here.

## VISITORS AT PMD

During the past month visitors have been R. B. Ladd, Aviation Defense Requirements Staff, Washington, D. C., and W. G. Stewart, Supply Division, John E. Abernathy, Deputy Chief, Property Management Branch, Washington, D. C. and Joseph A. Sharon, Chief, Property Management, Chicago, Illinois, who have been making preparations to move the Central Maintenance Stock from PMD to Chicago.

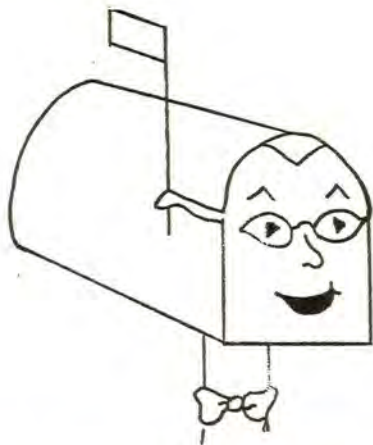


# VISITORS

- 2-18 - Major J. P. Stapleton, Air Operations & Training Officer, 1800 AACS, Tinker Field, visited the Air Traffic Control Section.
- 2-19 - Charles Clift, Tinker 33rd Air Division of Defense and Lt. James A. Reidel, U. S. Army were both visitors at the Air Traffic Control Section.
- 2-19 - Gerald Casey, Flight Inspector from Region 7 arrived to pick up a standardized Beechcraft.
- 2-25 - Bob Hightower, formerly of Aircraft Services Branch, now with the U. S. Air Force, visited old friends at the Center.
- 2-26 - W. K. McFall, CAA Airports Branch, William O. Coleman, Airport Manager, and Henry Lang, Airports Branch from 5th Region, were at the Center in connection with some Aviation Safety plans.
- 2-27 - R. C. Herner, Chief, Airport Dev. Division, Technical Development and Evaluation Center, spent a short time at the Center while waiting for his plane.
- 2-27 - R. B. Ladd, Washington Office of Aviation Defense Requirements, spent the day conferring on defense requirement problems.
- 2-26 - J. L. McCormick, CAA Communications Station, R. C. Sherfy, CAA Traffic Control Tower, and Robert Workman, Facilities Administration Section, Washington Office, were visitors at the Airways Operations Branch and the Federal Airways Division Office.
- 2-27 - Dick Henninger, Air Route Traffic Controller from Denver visited Airways Operations Branch.
- 2-28 - Lt. J. C. Goodman, E. C. Lee and F. H. Kane, all of the U Navy Air Station at Olathe, Kansas, visited the Airways Operations Branch.
- 3-4 - Ross Taylor, City Manager, and William O. Coleman, Airport Manager, called on Mr. Lanter.
- 3-4 - Col. N. B. Andrews and Capt. R. D. Johns, 1800 AACS, Tinker Field, were at Airways Operations Branch in connection with training schedules.
- 2-28 - Ed Miller, Air Route Traffic Controller from San Antonio, Texas visited the Airways Operations Branch.
- 2-28 - Robert P. Swanson, Airways Operations Specialist from Nashville, Tennessee visited Facilities Branch.
- 3-3 - F. A. Petrie, Chief, Training Division, Washington, D. C. was at the Center in connection with training program.
- 3-3 - Lt. Albert Greyhosky and Capt. Phillip E. McLennan, a former USAF ATC students paid a visit to the Air Traffic Control Section.
- 3-3 - John L. Moriarity, Airways Operations Specialist from 1st Region visited Airways Operations Branch.
- 3-7 - William M. Robertson, Regional Administrator from Region 2, picked up a standardized Beechcraft and visited with friends at the Center.
- 3-7 - George Murchison, Region 1, Henry Weeks, Region 5, C. W. VonRosenberg, Region 4, attending Aviation Safety classes here, visited with old friends at Headquarters.
- 3-4 - Chas. F. Patterson, Bendix Aviation Corp. of Teterboro, New Jersey, spent quite some time at Flight Inspection Branch.
- 3-4 - Murray Brimberg, Chief, Maintenance Inspection Branch, Washington, D. C. visited Facilities Branch.
- 3-5 - Harry Gray, William Miller and Victor Morrison, all of Region 5, visited Facilities Flight Inspection Branch.
- 3-6 - Orrin Gatlin, Office of Civil Defense, visited Facilities Branch.
- 3-6 - Major J. L. Soloman, Major J. B. Stapleton, and M/Sgt. Hugh C. Wintermayer all of Tinker Field, visited Airways Operations Branch.
- 3-7 - Lt. Col. Edwin L. Harloff, Air Training Department, Ft. Sill, visited the Policies and Procedures Branch.
- 3-11 - Visitors to Federal Airways Standardization Division were Capt. Pietsch of the 1800 AACS Wing, Tinker, and W. T. Loeffler, Philco Field Engineer and W. P. McDonald, RCA Field Engineer.
- 3-12 - Harold Earp, Foreign Nationals Training Officer, International Region, Jerome H. Meyers, Assistant Director, Division of Government Administration & Technical Service Affairs, and Burton V. Stevens, Airways Operations Specialist, Washington, D. C. were visitors at the Center in connection with graduation of a group of Foreign National Trainees. Mr. Stevens is a former Aeronautical Center employee, having been with the Airways Operations Branch as an instructor.
- 3-14 - Coll. R. W. Dickerson, Major L. E. May and Major S. G. Fondow, Tinker AFB, visited the Air Traffic Control Section.

(Continued Page 16)





### AIRWAYS MAINTENANCE DIRECTED STUDY COURSE IS NOW UNDER WAY

The first two lesson assignments and examination questions for Directed Study course LS-1 have been sent to 339 enrollees. Yet to be heard from with their original enrollment lists are Regional offices Two, Three, Eight and Nine.

The first man to submit an examination paper for grading was James P. Dunphy, Airways Maintenance Technician at Marfa, Texas, from which point he services Airway sector 4-DL. The second examination was submitted by Jesse H. Deaver, General Mechanic working out of Denver, Colo. The third was from R. E. McCormack, General Mechanic, Canal Zone.

Instructor McKinley advises that the third lesson assignment is going out right away to these men and the incoming mails indicate the interest being exhibited in this training is very gratifying; he also adds that some of the fellows are going to 'miss the boat' if they do not study carefully all of the text materials assigned before they attempt to write out their examination answers. Otherwise the student will not profit from the valued review provided in those text assignments.

### NEW LESSONS ARE SENT OUT FOR COURSE II "PRINCIPLES OF RADAR/DME"

Another group of Course II lessons, Nos. 13-14-15 and exam 5 have been mailed to the students. This group of lessons have some new material on RADAR/DME receivers, stressing receiver noise, bandwidth, video and IF amplifiers. Four students have already completed this exam.

Region 3	Region 4
Ernest E. Thompson	John C. Compton
D. J. Pistulka	Region 9
	Fumio Serikawa

Three-fourths of the lesson material for Course

II have been prepared. Mr. Ashby informs us that the manuscripts for lessons 16-17-18 and exam 6 are complete, however, there will be some delay in printing this material. We will do our best to get them to students as soon as possible. This group of lessons covers transmission line theory and equations, and the use of the circle diagram and "Smith Chart" for the solution of transmission line problems.

The seventh group of lessons will cover basic antenna theory and will complete Course II.

### NEW CHAPTER ADDED TO COURSE I

The long awaited Chapter 6 of Course I has gone to press and will consist of about 75 pages, divided into three sections. In its pages will be found answers to questions written in regarding the details of periodic functions, vector algebra, impedance, admittance, resonant circuits, and related topics. Many examples are given, as a direct result of requests. Based on the results of previous examinations, many topics have been given different or more detailed treatment. It is hope those who are waiting for the Chapter will be well rewarded for their patience. To expedite progress, the first section and the examination will be sent out as soon as they come off the press, and the remaining sections will follow shortly.

### INTEREST IN PROGRAM ENCOURAGING

During an interview last week, J. C. Straiton, Directed Study Chief, stated "During the recent administrative training week, the staff discussed the home study program and its course material with some 60 Facilities ILS/VOR students. We hope these students will explain the Directed Study program to their associates when they return to their stations."

"We were greatly encouraged by the many discussions with students already enrolled and look forward to meeting others as they attend resident courses." The Directed Study "domicile", Building 210 is getting a new coat of paint and new fluorescent lighting. "This is sure to raise the morale of the staff and may even result in faster grading of examinations," said Mr. Straiton.

### COURSE I GRADUATES

Region 2	Region 3
Robert F. Hartin	Robert N. Craig
Region 4	M. Eugene Walker
Harold J. Gunn	Region 5
Hugh E. Wolford	John E. Shaw
Region 7	Region 8
Richard S. Byram	Jack D. Buchner
Merle L. Stracke	W. A. McMullen

(Continued Page 16)



**DIRECTED STUDY** (Continued from page 15)  
The following enrollment by region has been made since the last issue of the season:

**COURSE I**

	No. of Enrollment
Region 1	1
Region 2	1
Region 6	4
Region 8	1
Aeronautical Center	5

**COURSE II**

Region 3	1
Region 7	1
TD	1
Washington Office	3

**LS-1**

Region 1	51
Region 4	11
Region 5	4
Region 7	4
Washington Office	1
AW	50

**VISITORS** (Continued from Page 16)

- 3-14 - Dr. P. Nilakantan, Deputy Director for Aircraft Research and Development of Communications in the Ministry of the Government of India, visited various offices at the Aeronautical Center.
- 3-14 - Glen C. Goudie, Office of Federal Airways, Washington, D. C. spent some time at the Center in connection with a project to which he has been assigned.
- 3-18 - Chester A. Bartholomew, Washington Electronics Establishment Branch, visited at the Facilities Branch. Mr. Bartholomew is a former employee from the Facilities Branch.
- 3-17 - J. A. Norton, Washington Accounting Division, arrived to spend some time assisting in Payroll Conversion.

**NEW CAR DEPARTMENT**

Walter Zuhn, it is rumored, has a good "deal" for trading in his Pontiac on a new DeSoto. Special space may have to be allocated for it in the Folly Parking Lot at Facilities.

You won't get everything you want until you give everything you've got.

**WELCOME TO NEW EMPLOYEES**

February 14 through March 16, 1957

**General Services Branch:**

James C. Pinkley

**Contract & Requirements:**

Funice W. Hilton

**Aircraft Services Branch:**

Joel A. Menault, returned from Military Service

**Aircraft Standardization:**

Oscar W. Adams      Howard W. Shepard  
Alva W. Polce      Orress W. Nettleton

**Project Materials Division:**

Palma Savel, returned from Military Service

**GOODBYE TO FORMER EMPLOYEES**

**Project Materials Division:**

Henry Thelin      Leonard L. Wiley  
George Thelin

**Personnel Branch:**

Razel W. McErick

**Facilities Branch:**

Bernice Peck

**Contract & Requirements:** Emma Olson

**Aircraft Standardization:**

Ruby W. Loper      Wilma C. Warley  
Harold P. Peck      Doris Ellison

**Aircraft Services:** Charles R. Mundell

**Aviation Safety Division:**

Margaret R. Swank, from Aircraft Branch to Naval Station, Norman, Okla.

**General Services Branch:** Vivian H. Wells, Dept. of Army, Newfoundland

**TRANSFER**

Richard C. Holman transferred from Aircraft Services to Aircraft Standardization Division.

**ILL** - The Aircraft Standardization Division welcomed their Chief, H. D. Estey, after a recent illness.

Doris Bartley of the Operations Office is on extended sick leave. We miss you Doris and hope you will be back with us soon.



## BRADLEY AND WALCUP HARD AT WORK

Backing up the statement that the Aircraft Service Branch Radio shop is a **LABORatory** and not a **laboratory** is this shot of Volney Bradley (right) and Cecil Walcup. Mr. Bradley is realigning a VHF Transmitter, and Mr. Walcup is checking out a new made device for testing Omni receivers. The meter panel (shown just over Mr. Walcup's head) will tell immediately the condition of the receiver, and give hints on where to look for trouble if any exists.

## ASSOCIATION MEMBERS ENJOY

### FREE DANCE! PRESENT NEW OFFICERS

**OUT** go the **OLD** - **IN** come the **NEW**. In a close election held around the middle of February, the Employees' Association, Inc. elected its new governing body for 1952.

Promulgation of the "newly elected" was made on February 29, 1952 at the **FREE** dance at which time the photograph at right, showing some of the new officers, was taken. Reading from left to right: **FRONT ROW**: J. T. Cupp, Jr. (At mike) President, 1951, George Crowley, Member-at-large; Arthur Holmberg, Representative Aircraft Services; Ida Lee Smith, Rep. Aircraft Standardization; William H. Hill, Representative, Federal Airways Standardization. **BACK ROW**: L. E. Shedenhelm, **Representative Business Administration**; Hope Biggers, Vice-President; "Bob" Gardner, President.

The following are new officers not shown in the picture: Sybil Andes, Secretary; Norma Trogdon, Treasurer; Muriel Moss, Representative Aviation Safety Standardization; Eugene H. Vaughn, Representative Project Materials Division; Roy Olinghouse, Representative General Services.

Best of luck - new officers - for 1952.

### "WHY DON'T WE DO THIS MORE OFTEN?"

"Sure is a good orchestra." "It's a swell dance." were typical of the remarks heard quite often the night of the **FREE** dance, February 29, 1952, held at Beverly's Hide-Away. Dub Farley and his orchestra were on hand to help make the dance the great success that it was.

The highlight of the evening was a drawing for door prizes, which were won by "Chet" Shimp and Jimmy Albert, with Mrs. Julia Ann Erwood doing the honors on the drawing. Announcement of the newly elected officers for the Employees' Association, Inc., followed the drawing for the door prizes.





**NEW BABIES**

Bruce Mackay of VOR Data Processing Center announces a new baby girl at his house to balance off the run of two big brothers. Barbara Pauline is her name and she weighed in at 7 pounds, 5 ounces.

Bernice Reed, (Mrs. Al Reed) formerly of Facilities Branch is the new mother of a baby boy born last Thursday, March 20. Bernice had predicted, in fact threatened the stork with mayhem if he brought anything but a girl, but we bet by now she wouldn't trade her "son" for any girl alive.

**NEW HOMES**

Three new homes have been purchased by Donald Baker, Robert Brown, and Harry Todd, all in the same block on NW 17. They were questioned about setting up their own Facilities Branch out there but replied they were setting up their own ride club. They haven't realized it yet but they have also set up a triple check on each other—let's all be reporting for work fellas, no spring fever excuses accepted, cause we can check on you now. Baker, it is said, now owns 2 houses and 2 cars—the plutocrat.

The John MacAdam's will soon be moving into a new home in Warr Acres. John is a Facilities Instructor.

**THE WORLD AIN'T A FITTIN' PLACE TO LIVE IN** when a guy that's feelin' so turrible is such a busyexec that he can't even take off Friday afternoon on sick leave. Or that's the way Mr. Gardner at Facilities feels about it.

Charles R. Coachman, Acting Chief of the Policies & Procedures Branch, has decided he will not order a CAA Service Pin in the hopes and expectation that SOMEONE will bestow a Good Conduct Medal for the highest of moral standards upon him.

**ITS MOVING DAY (ALMOST) (AND NOT IN JUNGLE TOWN).** Mariöhr Abshire is househunting. Her husband will be graduating from OU in June and will enter medical school in Oklahoma City in the fall. So they will become city folk. Comparing notes with Marion is Muriel Moss. Muriel also, is looking for a house as her husband recently graduated from OU and they will be moving to Oklahoma City as he is now affiliated with Sears Roebuck & Company.

**IS IT A HEN PARTY**

Hal McVey, the mighty hunter, has mortgaged his future by the recent acquisition of a new Remington automatic shotgun and a flock of decoys. Vernon Brown is building a new addition to his Britton property, to include a club room with all the trimmings. Duke is working on a cookbook to include several exotic and non-fattening (\*) Polish dishes—if you don't believe they are slenderizing, just take a look at Duke. Dean Anderson is cramming on his law—he takes his examination in May. Did you know that the petite warbler of sweet songs—TV'S Jane Hall, is Esther Woods' daughter-in-law?

**THE BETTER TO FIND YOU**—We have our new Employee Locator Card equipment and the system will be installed as soon as we receive all outstanding cards from Time and Attendance Clerks. This will give the telephone operator, the mail room, and the Personnel Branch under thumb information as to location of the various employees, their home addresses, telephone numbers, next of kin, etc. It is an improvement recommended by the Survey Team from the Washington office.—Supplies & Services

**GAMEL BACK AT PMD**—Ralph Gamel, who has been with the Army for the past 18 months, has returned to duty at PMD on March 17, as Chief, Project Complement Branch.

**JUANITA PRENTICE ILL**—Juanita Prentice of Directed Study is still on the sick list. We miss her, especially at coffee time—she's the only one that ever plays the juke box.

**ASB**—Ivan O. Cullen underwent surgery at the St. Anthony Hospital on March 3; we are glad to report he's doing fine and will be back with us within a very few days.



## BOWLING HIGHLIGHTS - HEAD PIN TOURNAMENT FOR MEN AND WOMEN

Highlights? Afraid the highlights aren't so high this month.

In last issue we asked you to wish Ava and Asia luck when they went to the Women's State Bowling Tournament. Did you? Reason, we are wondering is because a four leaf clover, rabbits foot, horseshoe, or any other good luck piece didn't help. Both girls are still wondering how you manage to hit your average when you bowl in tournaments.

There is to be another City Tournament called the Head Pin Tournament where men and women may participate. In the Head Pin Tournament, you receive so much count for hitting the Head Pin as well as number of pins you get on one ball which is all you throw -- just one ball. It should be fun, and definitely something new.

We hope both men and women will think it over and roll in this particular tournament. There will be prizes, so we'll expect to see you the weekend of April 26 and 27 at Bowlarena.

**COST OF FEBRUARY DANCE** to the Association was \$360.50. It pays to be an Ass'n Member.

## ASSOCIATION FINANCIAL STATEMENT - FEBRUARY 9, 1951 TO MARCH 10, 1952

### RECEIPTS

Cash in Bank 2-9-51	\$ 153.13
Miscellaneous Cash	172.34
American Vending Co.	16.59
Putman & Co.	3.62
Dr. Pepper	387.21
Cokes and Seven-Up	2,620.12
Canteen Service Co.	65.65
Purchase of flowers by Employees thru Reynolds Florist	21.35
Sundries	105.00
Anti-Freeze	217.60
Community Chest Drive	658.50
Stamps	33.73
Dances	465.50
Barbecue Party	130.40
Dues	372.68

TOTAL \$ 5,423.42

### EXPENSES

Graphic Art (Eacon Pictures)	\$ 295.77
Miscellaneous Expense	190.72
Check Books	9.00
Oklahoma City Hardware (Softball Equipment)	44.22
Seven-Up	84.58
Cokes	1,752.75
Norick Bros. (Ass'n Expense)	12.80
Ed Reynolds	221.07
Howard Bros. Florist	9.14
Anti-Freeze	217.62
Community Chest	658.91
Stamps	35.34
Dances	959.31
Barbecue Party	332.10
Balance in Bank 3-10-52	600.09

TOTAL \$ 5,423.42

(See page 20, Column 2 for breakdown)

### DULLNESS

"If you call the world dull  
You will maybe find out  
It is really yourself  
You are talking about."

### COMPLAINTS

"When I Complain, it often means,  
No matter how I rage and whine,  
I'm really blaming all the world  
For faults I will not face as mine."

## JOIN THE PAYROLL SAVINGS PLAN BUY BONDS

Have you joined yet? Did you hear Mr. Bray's speech at Sun Theatre? What better way could we save for the future and still air our Nation? More than one employee has made the statement, "I don't know how I could have managed without my bonds."

The percentage here at the Center is very low even after our bond drive. We raised from 14% to 37% participation. We are hoping those who haven't joined will reconsider and become a member of the Payroll Savings Plan. As low as \$1.25 per pay period is acceptable. Let's give it a try.

## SPECIAL RECOGNITION TO EVELYN WALTON AIRCRAFT STANDARDIZATION DIVISION

Evelyn is the SUPERsalesman here at the Center. Starting with 3% participation in her Division, she has contacted all employees personally and has raised their percentage to 51% participation. Since Aircraft Standardization is one of the four largest divisions on the field, she is to be commended on her remarkable sales ability. We want her to know her work and efforts are certainly appreciated.



# ASSOCIATION MEMBERS TO 3-10-52

AC-600	AC-623 (Cont'd)
F. M. Lanter	Joel Cleveland
AC-601	Charles Eckhoff
Enar B. Olson	Ray O. DeLong
Hattie L. Reeder	Paul E. Fast
AC-605	John E. Kern
L. E. Shedenhelm	Anita Lauderdale
Maurine A. Peaden	Elred C. Lindamood
AC-618.1	Clarence Meyer
Alta Taylor	Joe J. Motley, Jr.
AC-618.2	Jess J. Nichols
Joe W. Bailey	Ida Lee Smith
Wm. M. Jackson	Leonard T. Dudley
AC-618.3	Harold R. Peck
Paul Shively	Henry F. Hardee
AC-618.4	Ruby W. Loper
"Duke" Dombek	A. E. Krag
AC-621	Harry D. Estey
Monroe A. Ebner	Harry E. Glasgow
Cecil W. Walcup	Jimmie Albert
Alfred M. Lundy	AC-634.4
Aubrey F. McNally	Elwyn Rowe
Arthur E. Holmberg	Sheard "Jack" Wells
Geo B. Hudson	John F. Kempf
Weldon Burnett	Darrell S. Smith
Jack Lamb	AC-627
Rayford H. Orren	Marion O. Abshire
Odessa Hughes	Warren W. Smith
Herbert G. Blanchard	AC-628
AC-622	John Hann
Ann Martin	Nichols H. Rudasill
Roy C. Olinghouse	Robert Soehner
C. R. Lower	Merrill C. Morgan
Don A. Brown	George M. Downs
Shirley F. Pfrehm	Doris J. Hartley
Kate P. Hawkins	AC-629
Conrad P. Jensen	Guy Faulkner
Harvey B. Smith	Hope Biggers
George M. Foltete	AC-630
Joseph S. Sell	Mary Frances Lane
Nolan W. Riley	T. E. Graber
Gerold Tessman	AC-634
Robert W. Ray	W. H. Hill
Theodore F. DeWitte	Asia M. Krause
Juanita Ozmert	AC-634.4
AC-622.3	Howard J. Barnett
Albert Barker	Lois Bodine
Buster Davidson	Wilford W. Moore
AC-622.31	James Ashworth
W. H. Lynn	George Preble
AC-623	Max Kincaid
Doris W. Ellison	J. Chester Shimp
Olen R. Hysell	Steve Brodnan
Evelyn Walton	Thomas O. Gale
Carl L. Allen	Harry Inch

(Continued page 23)

## WHAT THE EMPLOYEES' ASSOCIATION DOES FOR EMPLOYEES

Would you like to know what the Association does for Employees? Supposing we rip this past year's Financial Statement apart and see what we learn from it. Okay?

Starting with Graphic Arts, all the pictures you see in the Beacon are made possible by Graphic Arts who set up our plates for us, and at a 10% discount.

Miscellaneous Cash and Expense: An employee needs to mail a check, however, does not have an account; he gives the Treasurer cash and she in turn gives him a check for the amount of cash received. Just a minor item, but a big help to an employee. Too, it covers the Treasurer's Receipt Books, Envelopes, miscellaneous printed cards, stamps and stamp pad ink.

American Vending Co., Putman & Co., Dr. Pepper, and Canteen Service Co. are all receipts on which there is no cash paid out.

Our check books cost us \$1.50 each, and we almost have to pay by check for keeping our records. That's 6 check books this past year, or 180 checks.

When the season opens for Softball, our men's softball team has to have equipment. The Association is glad to support the team by paying for equipment.

Our coke machines were paid for last year by the Association and our Seven-Up machines are on a rental basis.

Norick Bros. print our Association membership cards, as well as personal cards desired by employee. It is worked out with them whereby the Association procures personal cards for employees at a discount.

Ed Reynolds florist: Whether an employee is an Association member or not, if he becomes seriously ill at home, or goes to the hospital, he or she, receives flowers from the Association. In the case of a death in an employee's immediate family, flowers are sent also. When employees want to send flowers and do not have an account, they give the Treasurer the money and she orders flowers for them. Howard Bros Florist takes care of wiring when flowers are sent out of town.

(Continued page 23)



# AVIATION SAFETY

## Course A2 (4) - Aircraft Electrical Systems 2/25 - 3/7/52

Baehr, Howard	Romulus, Mich.
Brooking, L. E.	Washington, D. C.
Falconer, Frank W.	Norwood, Mass.
Hodek, Jerry	Chicago, Ill.
Lipscomb, H. O.	Brownsville, Tex.
Outcen, Roy	Ontario Calif.
Redmond, John G.	Springfield, Mo.
Schuck, Charles	Tulsa, Okla.

## Course B-7 (3) - Flight Engineer Certification 3/3 - 3/28/52

Hoffman, Ted E.	Burbank, Calif.
Mount, Ted O.	New York, N. Y.
Ovadias, Peter	Athens, Greece
Rounds, George A.	New York, N. Y.

## Course C2-52 - Air Navigation Aids & Operations Inspection Training & Refresher 2/25 - 3/7/52

Chandler, Sanford B.	Burbank, Calif.
Mundy, E. M.	Washington, D. C.
Sythoff, Joseph L.	Anchorage, Alaska
Thomas, S. E.	San Antonio, Texas.

## Course B2-13 - Instrument Rating 3/3 - 3/28/52

Benning, William C.	St. Louis, Mo.
Nogard, A. J., Jr.	Baltimore, Md.
Petrakis, Antonios	Athens, Greece
Smith, George M.	Rochester, N. Y.

## Course D1-25 - General Flight Refresher 3/3 - 3/14/52

Murchison, George M.	Chicago, Ill.
Roney, Kenneth T.	New York, N. Y.
Von Rosenberg, C. W.	Ft. Worth, Texas
Weeks, W. H.	Kansas City, Mo.

## Course B6-28 - Type Rating on Multi-Engine Equipment 3/10 - 3/21/52

Brainard, Robert O.	Houston, Texas
Hartley, Harold C.	Cedar Rapids, Iowa

## Course B4-17 - Airline Transport Pilot Certification 3/17 - 4/11/52

Clark, L. W.	Harrisburg, Pa.
Petrakis, Antonios	Athens, Greece
Staley, Byron	Dallas, Texas
Wathan, E. G.	Dodge City, Kans.

## Air Traffic Control Classes No. TU-10 & TU-11 1/14/52 - 3/14/52

### Reporting to Boston Air Route Traffic Control Center

Lt. Geo. K. Campbell	Lt. Edw. J. Godlewski
Lt. Stanley E. Krivik	Capt. Arthur B. Linn
Capt. Leonard P. Martin	Lt. Daniel J. Meehan
Lt. H. A. Souther, Jr.	Capt. Harold C. Way

### Reporting to Cleveland Air Route Traffic Control Center

Lt. B. H. Brown	Capt. Richard D. Cramer
Maj. Jas. R. Holstead	Lt. B. F. Johnson
Lt. Paul C. Seymore	Capt. Alan J. Teague
Capt. Robt. L. Vance	Capt. Gordon R. Wiren

### Reporting to Los Angeles Air Route Traffic Control Center

Capt. Lloyd G. Clark	Lt. Marvin L. Dull
Capt. Geo. W. Ford	Lt. C. B. Lewis
Capt. Donald E. Metzler	Capt. T. D. Patrick
Lt. Finis Potts	Lt. Jas. O. Traweck

### Reporting to Minneapolis Air Route Traffic Control Center

Capt. Lloyd G. Anderson	Capt. Perry R. Duncan
Lt. F. H. Dyer	Capt. Jos. Harkiewicz
Lt. Jas. L. McNulty	Lt. F. R. Pederson
Lt. G. T. Siebenhausen	Lt. Lynn F. Spaulding

## Air Traffic Control Class No. TF-3 1/7/52 - 3/7/52

### Reporting to Houston Airport Traffic Control Tower Oscar Rios

### Reporting to Baltimore (Friendship) Airport Traffic Control Tower Antoine Bedran

### Reporting to Tampa Airport Traffic Control Tower Octavio Moran

### Reporting to Denver Airport Traffic Control Tower Suvidh Thongaram & Santiago Faz

### Reporting to New Orleans Airport Traffic Control Tower

Celestino Lamboglia	Diego Hurtado
Nestor Sanchez	Pedro Cohen
Izzet Shbaro	Michel Anbar



## DEPARTURES

RADAR AIDS 11

12/3/51 - 3/7/52

Region 1

Berent, Max Newark, N. Y.

Region 4

Kelly, Dale E. Lake Charles, La.

Region 6

Towey, John G. Los Angeles, Calif.

Region 8

Wichels, Jr., John Nome, Alaska

IR

Kytoniemi, Timo V. G. Finland

ILS/VOR 37

12/31/51 - 3/28/52

Region 2

Duckworth, Joe K. Tallahassee, Fla.

Epps, Paul C. Charleston, S. C.

Region 3

Thompson, Ernest E. Grand Rapids, Mich.

Region 4

Poteet, Franklin R. Laredo, Texas

Region 5

Barnes, Donald S. Rapid City, S. Dak.

Clark, Will J. St. Louis, Mo.

Flowers, Jr., Morris V. Omaha, Nebr.

Strowig, Keith W. St. Louis, Mo.

Region 6

Cosby, Denis E. Arcata, Calif.

Region 7

Carr, James A. Seattle, Wash.

Martyn, Wesley A. Seattle, Wash.

Region 8

Nielsen, Richard K. Annette, Alaska

Welch, John H. Whittier, Alaska

IR

Pauvif, Juan A. Panagra, Chile

INDOCTRINATION CLASS 31

1/2 - 3/21/52

Region 3

Halgrimson, Edwin A. So. Bend, Ind.

Region 6

Thatcher, Reid B. Gila Bend, Ariz.

Region 8

Brazil, Herbert D. Anchorage, Alaska

Region IR

Morales, Cristobal A. Caracas, Venezuela

## ARRIVALS

ILS/VOR 40

3/3 - 5/30/52

Region 1

Winslow, Sidney E. Boston, Mass.

Woolley, Frank W. Jamaica, N.Y.

Region 2

Knotts, Edward T. Tampa, Fla.

Matheson, Roger P. Atlanta, Georgia

Region 3

Hyman, Edwin P. Columbus, Ohio

Region 4

Wolford, Hugh E. Ft. Worth, Tex.

Region 5

Patrick, Donald J. Dodge City, Kans.

Saunders, Clarence A. Hutchinson, Kans.

Region 6

Post, Roy I. Oakland, Calif.

Region 7

Beckham, Greef R. Walla Walla, Wash.

Byram, Richard S. Baker, Oregon

Cornagey, Edwin A. Anchorage, Alaska

Wane, William M. Anchorage, Alaska

INDOCTRINATION CLASS 33

2/25 - 5/16/52

Region 3

Field, Edward Minneapolis, Minn.

IR

Constantinidis, Panayiotis Athens, Greece

Hadjidemetriou, Demetrios Athens, Greece

Hatab, Ramez Lebanon

Vallianatos, Ioannis Athens, Greece

Air Traffic Control Class TU-12

March 17, 1952

Atherton, John W. Tinker AFB, Okla.

Major

Carlson, Norman V. Andrews AFB, Wash. D.C.

1st Lieut.

Dempsey, William W. Maxwell AFB, Ala.

1st Lieut.

Farley, Jean M. Biggs AFB, Tex.

1st Lieut.

Faulkner, Joseph J. MacDill AFB, Fla.

Captain

Fonner, Edwin Tinker AFB, Okla.

Captain

Godfrey, Jr., Ernest A. MacDill AFB, Fla.

Captain

Goldfain, Donald G. McChord AFB, Wash.

Captain



Air Traffic Control Class TU-12 (Cont.)

Humphreys, William V.	McChord AFB, Wash.
Captain	
Hunt, Tom J.E.	Scott AFB, Ill.
Captain	
Jett, Murray V.	MacDill AFB, Fla.
Captain	
Jiru, Jr., Edward J.	Travis AFB, Calif.
Captain	
Ledbetter, Herrick B.	Donaldson AFB, S.C.
Captain	
Lewis, Jr., David	Hill AFB, Utah
1st Lieut.	
Logsdon, Fred U.	Offutt AFB, Nebr.
2nd Lieut.	
Looney, William G.	Brookley AFB, Ala.
1st Lieut.	

Air Traffic Control Class TU-13

March 17, 1952

Gascoigne, Joseph A.	Tinker AFB, Okla.
Major	
Malinowski, Walter K.	MacDill AFB, Fla.
Captain	
McDonald, Mark G.	Scott AFB, Ill.
1st Lieut.	
McGeehan, James D.	McChord AFB, Wash.
1st Lieut.	
Morris, George W.	Wright-Patterson
Captain	AFB, Ohio
Nutter, William R.	Hill AFB, Utah
1st Lieut.	
Ormond, J. H.	Carswell AFB, Tex.
2nd Lieut.	
Painter, Jr., Stephen V.	Biggs AFB, Tex.
2nd Lieut.	
Parks, Harold A.	Wright-Patterson
Captain	AFB, Ohio
Patrick, Therman L.	Travis AFB, Calif.
WOJG	
Rardin, Marion A.	Hill AFB, Utah
1st Lieut.	
Scheuring, Francis J.	Offutt AFB, Nebr.
1st Lieut.	
Sharpley, James L.	Westover AFB, Mass.
Captain	
Smith, Charles E.	Langley AFB, Va.
2nd Lieut.	
Tweedie, Earl R.	Tinker AFB, Okla.
1st Lieut.	
Rogers, Milton C.	Travis AFB, Calif.
1st Lieut.	

**EMPLOYEES' ASS'N** (Cont'd from Page 20)

Anti-Freeze is purchased at cost and in turn, sold to Association members only, at cost. A saving to Association members.

Community Chest. You will remember, last year we had three prizes to induce employees to contribute. We Americans are strange, at least, some of us. We'll take a chance long before we will just flat out contribute. Our contribution to Community Chest was \$400.00.

The Treasurer always needs stamps to mail checks. Too, dance invitations were mailed out, and employees often purchase them from her to save time. Just another small favor.

Dances and Barbecue Parties. The Financial Statement shows the Association paid \$1,291.41 on our dances and parties, receiving only \$595.90 from tickets to each affair.

Since we didn't have coke machine payments to make this past year we've been able to do more for Association members than was possible previously. It takes more cooperation than you realize to plan socials and carry them out so if someone calls on you to help, think it over before refusing--won't you.

**ASSOCIATION MEMBERS** (Cont'd from Page 20)

AC 635	Netheline M. Jenkins
Ronald Pulling	C. E. Gardner
Clyde L. Daniels	Gordon S. Wight
Wm. A. Hielscher	Theodore M. Barrett
Raymond W. Teague	Alfred B. Ashley
Dick A. Wenzel	Norma F. Trogon
Beatrice M. Hoebing	Robert H. Ashby
Lewis Jackson	Ralph R. McClung
Eugene H. Vaughn	Lowell V. Thompson
Howard G. Wilson	Robert S. Lee
Clark B. Affleck	Jacob T. Cupp, Jr.
AC 636	Oswell A. Nash
Emory Williams	Howard W. McKinley
W. E. Lucey	Wm. J. Rosenberry
Carl C. Drumekler	Walter E. Zuhn
Arthur Schmitt	Charles Volney Parker
Richard G. Erwood	AC-638
Juanita Prentice	Robert M. Gardner
Charles W. Mueller	George A. Crowley

**SOFTBALL TEAM**

Time has come once again, to organize a ball team. We hope to have a meeting during the first part of April and elect a new Manager. All those interested fill out form below.

Name \_\_\_\_\_ Div. \_\_\_\_\_  
Field Extension \_\_\_\_\_

RETURN TO AC 623



### ROUGH VOYAGE

My ship came in--  
But what a wreck!  
The tax collector  
Was on deck.

There are two kinds of girls; those who neck,  
and bridesmaids!

### A PERFECT MATE

There's the snooty girl  
And the cutesy girl  
And the girl who likes to pet;  
There's the silly girl  
And the frilly girl  
And the girl who's hard to get!  
There's the classy girl  
And the brassy girl  
And the girl who never smokes;  
But the girl for me  
Is the clever she  
Who will laugh at all my jokes.

### THE LOVING TOUCH

I love to hold her little paws,  
They feel soft and delicious.  
They're never red or rough because  
It's I who do the dishes.

Kicking gets you nowhere, unless you're a  
chorus girl!

### SWIVEL TOP

Passing pretty girls,  
Will yet make me a wreck.  
For they all have well-turned ankles,  
And I have a well-turned neck.

### SMILE OF THE WEEK

"Hostess: I have a lonesome bachelor  
I'd like for you girls to meet.  
Athletic girl: "What can he do?"  
Chorus girl: "How much money has he?"  
Society girl: "Who is his family?"  
Religious girl: "What church does he belong  
to?"  
Secretary: "Where is he?"  
—The Powerlite."

### MARCH BLUES

I bank my money in my vest,  
A guy named Sammy claimed the rest.

Mrs. Jones: All I need is a good rest? But,  
doctor, you haven't examined my tongue.  
Doctor: That needs a good rest, too.

"I feel I ought to warn you that my husband  
will be home in less than an hour."  
"But I've done nothing I should not do."  
"Well, I just wanted to warn you."

"I learned a lot about our new neighbors to-  
day," the little woman told her husband.  
"They have no car, no television set, no  
piano, I can't imagine what they do have!"  
From behind his paper her spouse suggested  
mildly: "A bank account perhaps."

After a visit to dancing school, a mother ad-  
vised her small daughter that she should not  
dance silently like a totem pole, and that  
talking to her partner was also a part of the  
social picture.

On a later visit the mother saw that as soon  
as the music started, the same little boy  
tore across the floor, bowed to her daughter,  
and swept her away to the music.

On the way home, the mother asked why the same  
lad chose her for every dance.

"Oh, him," the child explained. "I'm telling  
him a continued murder-mystery story."

My mind is something like a sieve—  
Though lots of facts run through it  
I find when I examine it  
That very few stick to it.

The faults of my friends  
Which I freely condone  
Are always the ones  
Which resemble my own.

I thrive on admiration.  
It stimulates my mind—  
We all might be more brilliant  
If everyone were kind.

When I object to styles I see  
"That's what they're wearing," salesmen say,  
And then I buy for well I know  
That I must dress the same as "they".