

PATENT DIVISION STAFF—Pictured above are members of NOTS Patent Division Office. Standing is Tony Goff, Law Clerk; seated, (l. to r.) are: Belle McKinney, secretary; and Joe St. Amand, patent advisor.

### NOTS Patent Division Provides Protection for Government Inventions

The Patent Division is in the Technical Information Department under the administrative direction of K. H. Robinson, the Department Head. Personnel of the Patent Division are located at China Lake, Pasadena and the Naval Ordnance Laboratory at Corona. The China Lake personnel are K. F. Ross (Chemistry), Division Head; Joseph St. Amand (Electronics); Tony Goff, Legal Clerk and Belle McKinney, Secretary.

Pasadena Personnel The Pasadena personnel are Victor Muller (Mechanics) Assistant Division Head; Frank Epstein (Electronics); Margaret Winder, Patent Draftsman and Esther Alies, Secretary. Hayward Marshall (Mechanics) is the patent advisor at Corona.

Chief function of a government patent organization is to provide protection for the Government on inventions made from the expenditure of government funds. The Government is liable for damages for infringement of patents just as are members of the public.

For this reason, the Government must protect its inventions and guard against the eventuality of others acquiring patents on the inventions with the result that the Government would be in the position of paying royalties for use of its own inventions.

U.S. Patent Office Protection is obtained by making application for patents on the inventions, to the U. S. Patent Office which grants all U. S. Patents. The Government must follow the same procedures as members of the public in obtaining patents.

The expenditure of government funds is made for research and development performed both by naval activities and by private contractors. Inventions from both government and contractor employees result from such research and development, and require patent protection.

Accordingly, the NOTS Patent Division has the responsibility of protecting those inventions of value to the Government which arise from the expenditure of Bureau of Ordnance funds at activities in a specified geographical area, as well as from Bureau of Ordnance funds expended for research and development by contractors in specified technical areas.

Geographical Area The specified geographical area is the western half of the United States and the activities include the Naval Ordnance Test Station, the Naval Ordnance Laboratory at Corona, and thirteen other smaller outlying ordnance activities. The specified technical areas are air-launched missiles, torpedoes, launchers and fire control systems for underwater missiles and guided missile fuzes; these areas corresponding to the areas for which the activities have technical cognizance.

Navy-Wide Responsibility The NOTS Patent Division has navy-wide responsibility for patent coverage of inventions arising in the above technical fields. Patent



Attorney Advisor K. F. Ross

ment contracts, for patent follow-up as well as insuring that all inventions developed in the activities are properly protected.

175 Inventions A Year The Patent Division processes about 175 invention disclosures a year, the majority of which eventually mature into patents. All technical personnel should be alert to scientific advances in their respective fields of endeavor from the standpoint of novelty, ingenuity, and merit of the advance, with the view that recognition be given to the advance by grant of a patent.

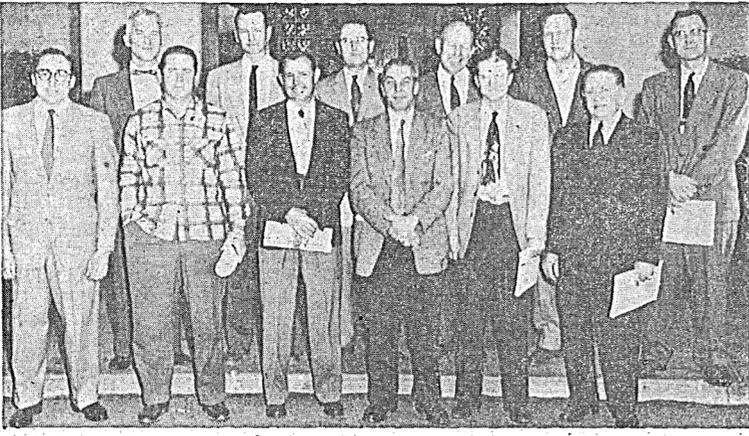
Patent attorneys are required to have both technical and law degrees in order that they may effectively work with the technical and scientific phase of patents as well as their legal aspects.

### Tributes To McLean On Display in Lab

On display this week in the lobbies of Michelson Laboratory, Pasadena Annex, and the Administration Building are panels showing the many congratulatory wires and letters received by Dr. W. B. McLean in tribute to his award-winning work in connection with SIDEWINDER.

The displays were made up to pass on to the members of the NOTS organization the confidence and enthusiasm these letters from national leaders express in the work of NOTS.

In this connection Dr. McLean has stated, "I feel somewhat abashed at receiving so much personal recognition because I know that without the support of the whole organization and facilities of the Naval Ordnance Test Station it would have been impossible to carry SIDEWINDER to a successful conclusion where its abilities could be demonstrated."



PATENT RECIPIENTS—Station employees receiving patent awards are pictured with Patent Advisor Joe St. Amand. Front row (l. to r.) are: St. Amand, Edward Bynum, Frank Miller, Sydney Crockett, Rod McClung, and Conrad Vegren. Back row (l. to r.) are: Bernard Smith, H. Powell Jenkins Jr., John Pearson, Clarence Weinland, Arthur Ellings, and Charles Hendrix. Also receiving patents but not pictured were: John Rinehart, Stanley Marcus, and Robert Purcell. The formal presentation ceremonies were held in Capt. F. L. Ashworth's office, with Dr. W. B. McLean making the individual presentations.

### Booster Donation Comes From Florida As Fund Nears Goal

Remember Professor Conrad? He's the man from Missouri who sent \$5 to NOTS for the TV Booster Fund. The story, reported in the December 21 issue of the ROCKETEER, had fortunate repercussions.

Now we've heard from Florida! Captain P. E. Huth of the U.S. Navy's Medical Corps enclosed a check for \$5 in a letter to Harold Metcalf, Head of Development Engineering, Propellants and Explosives Department. Capt. Huth was Medical Officer at NOTS in 1953-54.

Evidentially Capt. Huth felt he had been scooped by a civilian (Prof. Conrad) in this matter, for his letter said, in part: "I suppose one of the most desirable attributes of an officer in the Naval service is initiative; but, when his initiative lets a non-military confere beat him to the point, he demonstrates his other qualities by recognizing the good quality of the other man..." "to show my appreciation for all the pleasure my family and I received from the TV booster while I had the pleasure of being Medical Officer at NOTS, I am enclosing my small check to add to the funds you have already received to aid the continuation of this very desirable facility."

Wonder where Mr. Metcalf will hear from next? New York? Texas? Who knows?

Captain Huth's contribution boosted the Booster Fund total to \$7,053.36, leaving the drive a scant \$350 short of the \$7,400 goal.

### ACS To Feature Dr. W. S. Emerson At Next Meeting

The American Chemical Society's Mojave Desert Section will hold its next meeting on Monday, February 4, at the Community Church in Trona. Speaker for the meeting, which is scheduled for 8 p.m., will be Dr. William S. Emerson, Manager of the Whittier Research Laboratory of the American Potash and Chemical Corporation, on the subject of "Some Heterocyclic Diels-Adler Reactions."

Dr. Emerson received his B. A. Degree from Dartmouth in 1934, and his doctorate from Massachusetts Institute of Technology in 1937. Before joining American Potash and Chemical Corporation in 1936, he was with the Monsanto Chemical Company for 15 years, following 3 years of teaching at the University of Illinois. In his present position, he is responsible for research activities in agricultural, analytical, inorganic, organic, high-energy, and electrochemistry.

The meeting will follow a dinner scheduled for 6 p.m. to be held at the Community Church (corner of County Road and Magnolia Avenue). Reservations for the dinner should be made before Friday noon with Dr. William McBride, NOTS 7-2831, or with Jack Walker or Justo Bravo at American Potash and Chemical Corporation in Trona.

### Local 'Artist of the Month' To Be Featured at Station Library

The Station Library, in cooperation with the Art Study Group of the American Association of University Women and local artists, will begin this month a series of exhibits featuring "The Artist of the Month." Each month several works of a local painter will be shown in the library in an effort to acquaint residents of the area with a greater number of artists.

Wendy Minnich will be the featured artist for the month of February. She has been painting for 15 years in water colors and oils. Her work includes landscapes, particularly those of the desert and mountains of this area, still life, portraits and semi-abstracts.

She has exhibited her paintings in many shows and has won several awards. Before taking up painting, she was a professional dancer until a knee injury forced her to retire from the stage.

All artists or world-be artists who would like to have paintings included in the monthly exhibits are urged to call Ruth Ohler, station librarian, Ext. 71495, or Mrs. E. F. Diede, Ext. 74533. No attempt to judge or evaluate the paintings will be made.

### NOTS Concert Group To Discuss Business On Wednesday Evening

The annual business meeting of the NOTS Civic Concert Association will be held on Wednesday, February 6, at 8 p.m. in the Burroughs Cafeteria.

Three members will be regularly elected to the Board of Directors to replace those whose two-year terms expire, and another will be appointed to complete the term of a member, who resigned from the Board.

There will also be reports by the treasurer and the president, and discussion of this year's program and plans for next season. All who hold concert tickets are members of the Civic Concert Association, and are invited to attend.



WHO IS INTERVIEWING WHOM?—Phyllis Wair, (left), ROCKETEER Staff Writer and author of the paper's "Distaff Side," exchanges ideas with Jacqueline Hazard, TV scriptwriter, who was on the Station gathering material for the "Navy Log" TV show which will feature NOTS sometime in the future.



### How Well Do You Know Your Government?

(EDITOR'S NOTE: This is the second article on the theme of "Know Your Government." Last week's article covered the federal work force, what it did, the fields it covered, and how its employees were hired.)

In 1883 only 10 percent of Federal jobs were covered by the Civil Service Act. Today the competitive service has grown to embrace approximately 85 percent of all jobs in the Federal Government and 91 percent of those located in the continental United States.

In 1956, for the first time in its history, the competitive civil service became worldwide when 20,000 jobs held by American citizens in foreign countries and island possessions were brought under its coverage. Ten thousand jobs in Alaska were brought into the system in 1950.

Positions in the executive branch are in competitive civil service and subject to civil-service rules unless they are specifically exempted by law, Executive order, or action of the Civil Service Commission.

Excepted Positions A large percentage of the excepted positions are under separate merit systems of agencies excepted from the regular civil service. For example, about 15,000 jobs in the Foreign Service of the State Department, 20,000 in the Department of Medicine and Surgery of the Veterans Administration, 14,400 in the Federal Bureau of Investigation, and 14,800 in the Tennessee Valley Authority are covered by merit systems in these agencies.

Jobs excepted by action of the Civil Service Commission are placed in Schedule A, B or C of the civil service rules after a study of all pertinent facts. Schedule A is for positions for which it is not practicable to hold any examinations. There are about 200,000 jobs in this schedule. Positions in foreign countries make up the bulk of Schedule A jobs. It also includes positions such as chaplains and professional and technical experts for temporary consultation purposes.

Schedule B is for positions for which competitive examinations are (Continued on Page 3)

### Civic Concert Series Features de Paur Opera Gala Tuesday

When Leonard de Paur brings his new de Paur Opera Gala here Tuesday night, the NOTS audience will experience something altogether new. Excerpts from three Broadway opera hits in English and in concert form make up the refreshing program, some familiar, some not quite so well known—all the product of theatrical genius.

Leonard de Paur is the noted conductor of the de Paur Infantry Chorus, which has disbanded in favor of the new company. The operas to be heard are "Four Saints in Three Acts," "Carmen Jones," and the American classic, "Porgy and Bess."

Lawrence Winters, leading baritone of the New York City Opera will be the singing star. Other noted principals are Inez Matthews, who had the lead role in the original stage production of "Carmen Jones," and Luther Saxon, a distinguished tenor soloist who also appeared in the original "Carmen Jones."

The aggregation of the de Paur Opera Gala consists of a company of 50 including an orchestra of 25. No scenery or costumes are projected, as the attraction presents highlights from these three Broadway hits in concert form. The local concert, in the Station Theatre, begins at 8:15 p.m.

The operatic development is a natural broadening of the de Paur Chorus' activities. Fifteen members of the original ensemble remain with the group—veterans of many years of singing together. The chorus was organized during the war, and made history by its appearances for troops, all over the world, and by its staying together after peace had come. It became the most successful concert attraction in America. A like success is predicted for the Opera Gala.



NAVY LOG—Jacqueline Hazard, scriptwriter, is shown interviewing Dr. W. B. McLean. Dr. McLean, Sidewinder, and NOTS in general will be featured on the "Navy Log" TV show soon. Scriptwriter Hazard was commissioned by the Gallu Productions, Inc., to interview Dr. McLean for the show.



OUTSTANDING SCIENTIST—Dr. Walter B. LaBerge and his daughter, Jeanne, 3, admire the plaque given to LaBerge by the State Junior Chamber of Commerce as one of the five outstanding young men in California for 1956. The 32-year-old physicist is Head of AOD's Missile Development Division.

### LaBerge Named One of Five Outstanding Young Men of '56

Dr. Walter B. LaBerge, Head of the Missile Development Division, AOD, was honored at a banquet in Glendale last Saturday night as one of the five outstanding young men of the year in California.

Returning to Notre Dame in 1947, LaBerge received his bachelors in physics, and in 1950 his doctorate. Reporting on the Station in August of 1950, he has worked closely with the SIDEWINDER project ever since.

A specialist in the field of electronics and gas kinetics, LaBerge's early professional experience included wind tunnel testing and the aerodynamic study of missiles.

In addition to the Glendale fete, Dr. LaBerge was honored by the Bakersfield Junior Chamber of Commerce at an informal stag dinner in Bakersfield last Friday night. Capt. F. A. Chennault, Executive Officer, accompanied LaBerge to the Bakersfield banquet, and also represented the Station Commander at the Glendale Award dinner with Car. J. J. O'Brien, Commanding Officer of the Pasadena Annex.

Other young men cited along with the NOTS scientist were Paddy O'Brien, Olympic shot-putt champion, Donn Moomaw, former All-American football player, now a minister, Dave Brubeck, jazz musician and composer, and A. M. "Red" Ghahremani, irrigation engineer.

Judges who made the selections were Dr. Hubert Eaton from Forest Lawn; Dr. Rufus E. von Kleinsmid, chancellor emeritus from the University of Southern California; Dr. Raymond B. Allen, chancellor of UCLA, and Judge W. Turney Fox of the appellate court.

Featured speakers of the evening at the award program were Wendell Ford, national president of the Junior Chamber of Commerce, and Irving Gold, president of the California Junior Chamber of Commerce.

Dr. LaBerge and his wife, Patricia, have three children; Peter, 7; Steve, 6; and Jeanne, 3, and they reside at 4-A Wasp. He is originally from Maywood, Illinois.

### BC Adds Psychology To Spring Schedule

Psychology 53 (Child Psychology) has been added to the spring semester schedule of Bakersfield College classes. The class will be held on Wednesday mornings from 9 a.m. to 12 noon in Room 213, Training Building.

All Bakersfield College classes and Burroughs Evening High School classes will begin the week of February 4.

### Life Saving Instructions Begin Tuesday Evening

A Senior Life Saving Class, conducted by Instructor Alice Sullivan, will begin on Tuesday, February 5. The class will be held every Tuesday and Thursday from 7-9 p.m. in the Station Pool, and will be open to anyone over 16 years of age. The course will take 17 hours in all.

### Pay Raises Recommended For Some Military Personnel

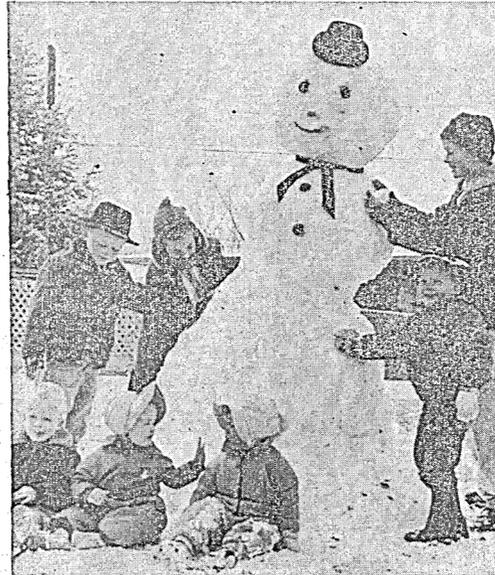
Expanded officer and enlisted grades, rewards for productivity, and new pay scale are the basic recommendations of the Cordner Committee just released by the Defense Department.

The committee proposals said the present compensation practices of the Armed Forces are "so clearly" out of step and inadequate that they can be called a "major, impediment to national security."

Fundamentally the recommendations have four objectives (1) Relieve the "tight" pay structures of both officers and enlisted men; (2) Revise the present compensation system to provide rewards for merit and performance instead of longevity of service; (3) Place career pay grades on a competitive basis with industry; and (4) Establish "workable" procedures that will guarantee quality personnel for the Armed Forces.

Although each service will determine how the retention program will be implemented for its own personnel, the plan definitely would not give all members a pay raise.

Shaped to become completely effective over a four year period, the recommendations would establish an eighth and ninth pay grade for enlisted personnel and a ninth and tenth grade for officers above brigadier general.



MY SUNNY CALIFORNIA?—One of the more pleasant results of the snow that blanketed China Lake last weekend can still be seen on Lexington Ave. The giant snowman, over six feet tall, was the combined effort of the children of Mr. and Mrs. R. C. O'Reilly and Cdr. and Mrs. J. F. Callahan. The construction crew is shown gloating over their successful effort at the moment of completion.

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CAPTAIN F. L. ASHWORTH, UNITED STATES NAVY
Commander

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Burros Finally Beaten at Tehachapi, 46-41 Meet Trona, Victor Valley This Week

The Burroughs High basketball team lost its first game in 13 starts last Saturday night, when they were beaten 46-41 at Tehachapi. Earlier in the week, on Thursday, the Burros buried Lone Pine, 74-39. The Burros "B" team whipped Lone Pine, 55-38, and Tehachapi, 36-21, while the "C" team lost to Lone Pine, 28-25, while edging Tehachapi, 23-22.

The varsity team record now stands at 12 wins and 1 loss in season play, and 6 wins and no losses in Desert-Inyo play. They remain atop the league. Here's the boxscore of last week's varsity game.

Boxscore table with columns for team names (Burros, R. Short, Siopes, Wilde, B. Short, Sorenson, Carty, Davis, Jeffris, Morris, Jacobs, Kochler) and scores for various games.

Superintendent's Notes

By DR. EARL MURRAY, Superintendent of China Lake Schools

The tax rate of the China Lake Elementary School District at the present time is \$3.73 per \$100 of assessed valuation. Our tax rate is composed of the legal rate of 90 cents for general school purposes, and \$2.83 as an override tax allowable for raising sufficient funds to care for non-certificated retirement. The funds raised for this purpose by the \$2.83 tax rate cannot be used for any other purpose.

The assessed valuation of our district has increased from \$124,260 in 1950 to \$557,140 at the present time. This increase is due largely to the assessments placed upon the Wherry Housing Project. Our override tax for this special fund is now producing a surplus and therefore must be reduced.

We cannot afford to have our total tax rate reduced any appreciable amount, since a high tax rate is essential to produce a high income from the state. In plain language the State demands a high local effort from a school district in order to qualify for a high State apportionment.

Since our tax rate is now high, and the majority of it has been placed upon the taxpayer without his vote previously, we can now state that with the consent of the voter we can change the present rate from the override status to the general school purpose, raise the regular rate from 90 cents to \$3.50, and still not raise either the total tax rate or the amount collected from the local taxpayer.

This is exactly what the Board of Trustees is asking the electorate to do at the special tax election on Tuesday, February 26, 1957.

TEMPERATURES

Table with columns for dates (Jan. 24 to Jan. 30) and temperature ranges (Max. Min.).

Health Fees Due Feb. 15

Members of NOTS Employees Group Health Insurance are reminded that payments are now due and payable by Feb. 15. Failure to make payments before the Feb. 15 deadline will cause accounts to become delinquent.

Individual policies for the Health Plan have been received and are available at the Housing Office, Room 13. A mistake is evidence that someone has tried to do something. All people make mistakes. That's why erasers are put on pencils.

Coming AND Going

New Employees:

Commissary—Edna M. Park. Test—Joseph A. Avolio, Jr., Kathleen Cleary. Public Works—Raymond O. Newberry, Walter T. Allen, Cecil E. Hedrick. Supply—Henry W. LaFortune. Engineering—Alfred M. Cullum, Ruth W. Faulkner. Personnel—Emma Tettefeller, Eva L. Young. Command Administration—Oran H. Robinson, Charles E. Rouland, Gilbert A. Allen Jr. Aviation Ordnance—Richard L. Eaton, Deanna C. Ryan.

Terminations:

Test—Phyllis L. Gerrick, Marian K. Hoffer, E. Marie McArtor, Don I. Burrel. Command Administration—Violet Peterson. Propellants & Explosives—Russell R. DePew.

Technical Information—Corrine P. Cassidy. Public Works—Jefferson W. Ray, Tom E. Hunwarden, Howard F. Bowington. Central Staff—Marlene L. Hancy, Dorothy M. Lager. Aviation Ordnance—W. David Argo, Joseph T. Bloxom, Joseph J. Adler. Rocket Development—David I. Gilbert, Willis E. Ambrose. Engineering—Zerl Perdue Jr.

Man of the Month



Robert G. Stepp, FT2, has been selected as Man of the Month for GMU-25. He was selected on the basis of outstanding performance of military and technical duties. In recommending Stepp, his department head commented that, "his initiative, ability, and 'know-how' in getting a job done without supervision has been an inspiration to the entire Radar Group." Stepp hails from New London, Connecticut, and attended the University of Connecticut before entering the Navy. He completed his recruit training and Fire Control Technician School at Bainbridge, before reporting to China Lake in June of 1954.

Men of USS Arizona To Hold 1st Reunion

Former ship's company of USS ARIZONA (BB 39) will hold their first annual reunion March 2, at the Jack Kennedy Center, Naval Base, Terminal Island, Long Beach, California.

All former officers and enlisted men who served on the ship from her date of commissioning to the Pearl Harbor attack should contact G. B. Bertok at 12122 Robert Lane, Garden Grove, California. In addition, widows and relatives of men who were lost at Pearl Harbor, are also invited to attend the first annual reunion.

The USS ARIZONA is still officially in commission as a ship of the U.S. Navy. The part of her superstructure which stands above water at Pearl Harbor has been made into a memorial to all who died during the Dec. 7, 1941, attack by Japanese navy planes and submarines.

What's Doing IN RECREATION

By Helen Michel, Recreation Director

Much activity is being planned by those who have been "swingin' their partners" and practicing the "allemande left" this past season. The beginner's class of square dancers sponsored by the Recreation Division and the Cactus Squares will graduate on March 9 having completed 24 weeks of basic instruction.

Starting on January 30, this class will merge for the last six lessons with the beginning classes of the Panamint Promenaders of Trona and the Stumbling Tumbleweeds of Ridgecrest. The first combined class will be at the Community Center. Each group will visit the other twice during this period.

A gala affair is planned for the graduation of the groups on Saturday, March 9 at the Recreation Center in Trona. Bob Ruff, of the Ruffs and Ruffles group in Whittier will be guest caller for this event.

Diplomas will be presented to the graduates by local callers who have instructed the classes. Those graduating are then eligible to become members of one of the square dance clubs in this area.

There will be a day of real dancing when the "Desert Roundup" will be held at the Recreation Center in Trona on Sunday, March 10. Callers on this program will be from the desert clubs from China Lake, Bishop, Trona, Ridgecrest, Big Bear, Apple Valley, Norco, Lancaster, Victorville, and Barstow and members of all square dance clubs are invited to dance an' dance an' dance!

A new beginner's class sponsored by the China Lake Cactus Squares and the Recreation Division will start on February 27. The class will be held from 7 to 10 p.m. each Wednesday at the Community Center, and will remain open for three weeks, after which it will be closed to new members. For further information concerning square dance activities in this area and to register for the new beginner's class, contact Jim or Inez DeAtley at Ext. 77742.

Women's Golf There will be a meeting of the Golf Club Women's Auxiliary, Tuesday, February 5, at 7:30 p.m. in the Community Center. Station Library For some exciting mid-winter reading, these best-sellers may be found at the Station Library: "The Etruscan" by Waltari. All the wonders of the Ancient World are to be found in this tale of Turms, the Etruscan warrior, pirate and lover. "The Tribe That Lost Its Head" by Monsarrat. The author of "The Cruel Sea" does it again in his rapidly moving account of unrest and violence in the imaginary protectorate of Pharamaul. "These Thousand Hills" by Guthrie. Dramatic true stories of the rugged men who conquered the West. "The Wreck of the Mary Deare" by Innes. A tense and authentic novel of conspiracy, murder, and heroism at sea. "Son of the Dust" by Prescott, 11th Century Normandy, shortly before.

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Know Your Gov't.

(Continued from Page 1)

impracticable, but for which non-competitive examinations are given. There are about 4,800 in Schedule B. Schedule C is for positions whose occupants serve in a policy-determining capacity to the politically appointed heads of agencies or in a confidential capacity to them or their key officials. Schedule C jobs are those which can be expected to change with each change in administration. No examination is given for these jobs. Approximately 1,200 positions are now in this schedule.

Who They Are By and large, Federal employees are just like a cross-section of the people in any town—they have the same hopes, ambitions and problems. The average Federal employee is male, married, and a veteran. He works hard in his job and counts himself a member of the middle-income group.

He is interested in community affairs and is active in church and civic groups. He pays taxes, responds to charity drives and to appeals for blood donations. In short, the average Federal employee is an average American in every respect except that he works for the Government rather than for himself or a private employer.

The Merit System To the citizen who applies for a Federal job and the one who is a Federal career worker, the merit system established by the Civil Service Act is a guarantee that he may qualify for a job on the basis of ability to do the work, without discrimination with regard to race, religion, national origin, or politics. It entitles him to consideration for promotions and protection from dismissal on the same basis. It protects him from being obliged to render any political service or tribute.

To the citizen who is not a Federal employee and who does not seek such employment, the merit system guarantees selection of the best qualified people available for the public service. It requires of public servants high standards of conduct and competence in their employment.

To all citizens it means a stable Government service capable of preserving the continuity of essential Government programs required by the American people. It means freedom from the upheavals of the old spoils system which, with each change of administration, saw such mass removals of Government workers that the Government machinery was frequently brought to a complete standstill.

Understanding Needed Continued understanding and support on the part of all our citizens are needed in order to maintain the merit principle and make possible the necessary improvements from time to time in the Government's personnel system. It was public opinion that made possible the enactment of the Civil Service Act in 1883, after the assassination of President Garfield in 1881 by a disappointed jobseeker that focused attention on the evils of the spoils system. The outcome of the fall elections of 1882 showed beyond a doubt that the people wanted the Civil Service Act. In a number of Congressional districts, the issue of civil service reform decided the election. When Congress met, civil service reform received attention from the first day of the session until passage of the C. S. Act.

Public Confidence Affirmed Public confidence in the civil service system was affirmed again several years ago when revelations of gross misuse of high appointive offices in Internal Revenue created a vigorous public demand for placing these positions under civil service. This was done. The civil service system over the years since its founding in 1883 has been held to be a guarantee to the public of Government administration in the best interests of all the people. President Theodore Roosevelt said in 1906, "... I am inclined more and more to feel that the observance in letter and spirit of the civil service law is the first requisite in obtaining clean, decent, efficient government service in any branch or bureau of the government."

In 1936, 50 years later, President Eisenhower said, "Nowhere in the world have I met more efficiency, more dedication, more readiness to put in hours without counting them on the clock... than I have among the Civil Service."

ESTHER ENYART, a telegraphic typewriter operator in Code P2521, received an award of ten dollars for her suggestion which called attention to need for management action to correct illegal action in connection with stamped penalty air mail envelopes. Esther has been with NOTS since March 1951.

FRANCIS W. DONNELLY, a mechanic in the Public Works garage, received an award of ten dollars for his suggestion regarding the use of conventional oil filters on the Navy's Ford cars.

New Branch Head



Carrol R. Nisewanger Pasadena Annex

Recently appointed head of the applied mechanics branch, Propulsion Division, Underwater Ordnance Department, is Carrol R. Nisewanger. A graduate of USC with the degree of M.S. in physics, Nisewanger started at NOTS in July 1946. Nisewanger, a native of California, started his career as a teacher in 1929 when he received an A.B. degree at Santa Barbara State College (now University of California). He taught in the Santa Ana school district for thirteen years, all the while continuing at USC on a part-time basis, working toward a degree in physics.

During the war years, he distinguished himself while at the U.S. Bureau of Mines in Bruceton, Pennsylvania, by inventing an electronic chronoscope for measuring rates of detonation of high explosives. For this invention, on which he holds a patent, he received \$1,000 and a certificate of highest achievement for war-time invention.

In October 1945, he returned to California to complete his education at USC. As head of the applied mechanics branch, he will be in charge of the program to determine dynamic loading of torpedo structures during water impact, hydrodynamic noise studies, and an investigation of methods for submarine wake measurements.

The lecture will deal with an experiment to find out something about the relation between two or more variables. In planning these experiments, one has on one hand certain "Principles of Experimental Design" and on the other a large class of specific "Experimental Designs." Without becoming deeply involved in statistical theory, the general principles of experimentation, and certain specific designs with applications will be discussed.

Dr. Moan received a Ph. D. in mathematical statistics at Purdue University in 1953. He is presently in charge of the Reliability Department at Lockheed Aircraft Corporation.

Basketball Team Second In League

The NOTS Basketball Team defeated Montgomery Engineering by a score of 33-29 last week. Montgomery was leading at half-time by three points, but a strong third quarter put NOTS in the lead for the rest of the game. Having won five of seven games played, the NOTS team is assured second spot in the Industrial League. The leader, Holly Manufacturing, is undefeated.



BENNY SUGG AWARD—Jimmie L. Storms (right), heavy duty equipment mechanic in the transportation branch, receives a check for \$25 from his supervisor, Bill Aitchison. The award is based on monetary savings of \$450 resulting from Jimmie's suggestion to substitute flexible lines in place of rigid oil lines used on diesels.

with NOTS since March 1951.

News from Pasadena Annex

Credit Union Adopts 1956 Dividend Rate

At a meeting on Thursday, January 24, members of the NOTS Pasadena Employees Federal Credit Union discussed operation of the Credit Union for the past year, adopted a dividend rate of 4.8 percent for 1956, heard the report of the president, Bill Berby, on the past year's business, and elected members of the board of directors, the credit committee, and the supervisory committee.

New members of the board of directors are Harry Humason, Ed Jones, Nadine Robinson, and Ted Davey. Holdover members are Bill Derby, Doris Chin, and Herb Seymour.

On the credit committee, Mabel Quinn and Jim Carroll join Harry McLaren, and on the supervisory committee, Marjorie Glaze and Irene Dickson join Jack Petroff. Credit Union earnings increased 17 percent over the previous year; shares, seven percent; and loans, 23 percent. The ratio between potential and actual members increased three percent, and membership increased by three percent. The board of directors will meet this month to select a new president, vice-president, and treasurer from among its members.

Technical Lecture Will Be Given on Wednesday, Feb. 6

A lecture entitled, "A Design of Experiment" will be presented by Dr. O. B. Moan of Lockheed's Missile Systems Division on Wednesday, February 6, at 1:00 p.m., in the conference room of Building 7.

The lecture will deal with an experiment to find out something about the relation between two or more variables. In planning these experiments, one has on one hand certain "Principles of Experimental Design" and on the other a large class of specific "Experimental Designs." Without becoming deeply involved in statistical theory, the general principles of experimentation, and certain specific designs with applications will be discussed.

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Public Works Completes \$50,000 San Clemente Project for UOD

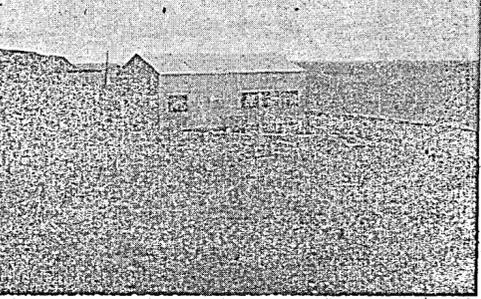
Personnel of the Public Works Department recently completed a \$50,000 project at San Clemente Island. An average of twelve men worked ten hours a day, seven days a week for one month on the project which provides the Underwater Ordnance Department with facilities for all-weather assembly, storage, and land transport of underwater test missiles.

The project included construction of two steel buildings, one for missile assembly and one for storage, pavement of three miles of access roads, and installation of one and one-half miles of high-voltage power lines. Time played a big role in the completion of the project. The roads had to be completed before the rains came, and the other portions of the job were needed so that BuOrd evaluation tests of RAT could start during January.

The Underwater Ordnance Department has expressed appreciation to the many personnel who made it possible for the installation to be completed in an exceptionally short time. The actual construction work was accomplished by the personnel of the following Public Works shops: roads and grounds, metal, electric, power distribution, and progress. Others assisting in the project were the Engineering Division and Public Works Division who combined their efforts in planning and coordinating the survey work, procuring more than \$4,000 of surplus materials, and ordering new materials needed; the Public Works Division which arranged for transporting men, equipment and materials to the island; and the Supply Department which did an excellent job of expediting orders for material.

Other members of the panel are Priscilla Estes, executive secretary, John Busik, Bob Larson, Lynne Jordan, Ken Sherman, Glenn Benham, and Udene Younger.

White Will Head Benny Sugg Panel



ASSEMBLY BUILDING—The missile assembly building at San Clemente is one of two steel buildings recently constructed by personnel of the Public Works shops. Shown during construction, the building has an explosive-proof electrical and grounding system.