

CROSSWORD PUZZLE

Answer to Previous Puzzle

Crossword puzzle grid with clues for Across and Down. Includes a small grid for 'Answer to Previous Puzzle'.



WHEELS ON THEIR MINDS—Hostesses for tomorrow night's Harold's Club gala at the C.O.M. pose with pioneer props of the El Ranchito Motel. Hostesses are (front, l-r) JoAnn Rusciolli and Doris Valitchka, (rear, l-r) Louise Hyten and Ida Davis.

SHOWBOAT Harold's Club Night Starts at 6 p. m. Sat.

FRIDAY "GIRL HAPPY" (96 Min.) Elvis Presley, Shelley Fabares, Gary Crosby... AUGUST 20... SATURDAY "TINKLE AND SHINE" (86 Min.) Jack Lemmon, Doris Day... AUGUST 21... SUNDAY-MONDAY "FROM RUSSIA WITH LOVE" (118 Min.) Sean Connery, Daniela Bianchi... AUGUST 22-23... TUESDAY-WEDNESDAY "MOVE OVER DARLING" (103 Min.) Doris Day, James Garner... AUGUST 24-25... THURSDAY-FRIDAY "HUSH, HUSH, SWEET CHARLOTTE" (132 Min.) Olivia De Havilland, Bette Davis... AUGUST 26-27...

Harold's Club Night, one of the most popular events in recent years, returns to the Officers Club tomorrow when club members and their guests will enjoy an evening of good food, entertainment, and dancing in an "imported" atmosphere of a Reno night spot. Club Chef Lee Barnett has promised a special buffet dinner to be served on the lanai from 6 to 9 p.m. On hand to dispense dance tunes from 9 p.m. until 1 a.m. will be Joe Dale and his Dixielanders from the Whetmore Agency.

Federal Exhibit At World's Fair

The Federal Science and Engineering Exhibit, illustrating the productive partnership of science and Government, is now on display in the Federal Pavilion at the New York World's Fair. It will be there until the Fair closes in October.

The 5,000-square-foot exhibit, The Vision of Man, traces the Government's support of science from the Federally funded Lewis and Clark Expedition of 1803 to today's multi-billion dollar annual appropriation for research and development programs. Its main objective is to stimulate interest in the study of science and engineering to assure that the Nation's ever-increasing demands for top talent in these fields will be met in years ahead.

The exhibit was cooperatively developed by the Civil Service Commission, National Science Foundation, Atomic Energy Commission, National Aeronautics and Space Administration, the Departments of Army, Navy, Air Force, Interior, Agriculture, Commerce, Health, Education, and Welfare, and the Smithsonian Institution.

Rhymes of the Times WITH U.S. SAVINGS BONDS YOU UNDERWRITE OUR NATION'S SAFETY AND IT'S MIGHT. ...Agents-AFPS

Girls' Names Limit Hurricane Confusion

Washington (AFPS) — When the Weather Bureau gives a hurricane a girl's name it is not playing games. The names have a definite purpose, officials of the National Geographic Society say. The use of short, easily remembered names helps to avoid errors in the transmission of vital information between widely scattered stations, ships at sea and hurricane-hunting planes that fly into the center of the storms. The names also reduce confusion when two or more storms occur at the same time. In 1960, a semi-permanent roster of four sets of names was introduced. A separate set is used each year, beginning with the first name in the group. After four years the rotation of sets begins again. When a major hurricane affects the United States, its name is retired for 10 years and another substituted.

1965 Names

For the 1965 hurricane season the names are: Anna, Betty, Carol, Debbie, Elena, Frances, Gerda, Holly, Inga, Jenny, Kara, Laurie, Martha, Netty, Orva, Peggy, Rhoda, Sadie, Tanya, Virgy and Wenda.



AT THE HEAD OF THE LINE, the long, long line-up for season tickets to coming productions of the China Lake Civic Concert Assn., is Darryl Baxter of Servomechanics Br., Engineering Dept. Eleanor Johnsen puts his name on the Assn's preferred sales list. He'll be notified the day after season's artists are announced. Spaces on list are available by calling or writing concert ticket chairman Henry L. Bagge, P. O. Box 377, China Lake (Ext. 7431 after 4:30).

Local Inventors Receive Patent Awards

Ingenuity Brings \$1300 in Awards To Station Men

Seventeen more names were added to the Station's inventors' roster recently when Station Commander Capt. John I. Hardy presented patent awards to 17 employees.

Of the 17 inventors, 15 received outright patents while two received notices of allowability. A notice of allowability is given in lieu of a patent when the invention bears a security classification and is not available for open publication.

The Aviation Ordnance Department led in the awards with seven employees named, Propulsion Development Department was second with four named, Weapons Development Department was third with three while the Test Department and Public Works had one each.

Patent awardees are listed by departments as follows: Aviation Ordnance Most prolific of the AOD inventors was Jack A. Crawford. He shared in three patents and three \$100 awards.

Jack A. Crawford and John H. Gregory were granted a patent and split \$100 for the projectile fire control system which is in use by the Fleet. Jack A. Crawford, George R. Lewis, and William H. Woodworth received a patent and divided \$100 for their development of an automatic tracking system in which positional information is derived by a television camera.

William H. Woodworth and Jack A. Crawford teamed up to develop a stabilized servo system using a transistor amplifier circuit for increasing efficiency and eliminating the (Continued on Page 4)

ROCKETEER FROM UNDER THE SEA TO THE STARS Vol. XX, No. 33 Naval Ordnance Test Station, China Lake, California Fri., Aug. 20, 1965

TEMPERATURES table with columns for date, Max., and Min. values for August 13-19.

Packaged Emergency Hospital Received by IWW Civil Defense



INSPECTING HOSPITAL-IN-A-BOX upon its arrival Wednesday, August 11, at Salt Wells are (l-r) William J. McLarty of Calif. Disaster Office; LCdr. J. M. O'Lane, NOTS acting Senior Medical Officer; and CWO R. F. Christopher, Station Hospital admin. officer.

Will Play Part In Local Plans For Emergency

Quiet, resourceful, behind-the-scenes effort by members of the Indian Wells Valley Civil Defense organization for more than two years surfaced last Wednesday, August 11, as state and local officials received delivery of a 200-bed emergency mobile hospital at the Salt Wells facility.

A product of development under the U.S. Office of Civil Defense, the emergency hospital, including complete X-ray and examination facilities, arrived in two van-loads of boxes dispatched by the California Disaster Control Office in Sacramento.

Arriving with the unit, to deliver it to the Valley Group, were William J. McLarty and Wilbur E. DeVore of the California Disaster Office; McLarty from San Francisco and DeVore from Pasadena.

Leaders, Workers Take Charge

Receiving it from the State men were Ridgecrest Community Hospital administrator Edward L. Harris and CWO R. F. Christopher, Station Hospital's administrative officer; Dr. Robert J. Hamblin of the Drummond Medical Group; Dr. Carl F. Austin and Dr. John M. O'Lane, acting Senior Medical Officer at NOTS. Harris and Christopher will be co-administrators of the mobile unit, Dr. Hamblin will be its chief of surgery. Dr. Austin is Civil Defense consultant.

The U.S. government stands the dollar-per-pound cost of this 45,000-pound unit, and 1,999 others like it throughout the nation.

LCdr. J. M. O'Lane, NOTS acting Senior Medical Officer, and Dr. Thomas A. Drummond, senior physician at Ridgecrest Community Hospital, share responsibility for operation of the unit. They would be joined by about 180 doctors, nurses and nurses' aides from on and off-Station in the Civil Defense Medical Division.

Plan's First Installment The disaster-ready hospital-in-boxes represents the first finished, tangible element of a (Continued on Page 3)

NOTS Officer Escorts Miss France at Gala Ball



ESCORTS BEAUTY—Lt. (jg) C. D. Stender escorts Miss France at International Beauty Congress Coronation Ball.

Lt. (jg) Charles D. Stender, Long Beach Personnel Officer, last Friday evening had the honor of escorting Miss France to the International Beauty Congress Coronation Ball, held at Long Beach Municipal Auditorium and widely televised. IBC each year selects a beauty queen from among dozens of lovely damsels of the United States and foreign lands.

Wondering how Lt. Stender came by this lovely date? Selection was based on his ability to speak fluent French, and his amiable personality. Miss France is an 18-year-old blonde, 5 feet 8 inches in height, weighs 120 pounds. Her other statistics are 35-24-35½, notes IBC.

Her name is Marie-France Perron, and she lives in Champigny sur Marne where she is employed. Her family is from Brittany.

Lt. Stender also discovered that her hobbies are music, painting, reading, and sailing. Lt. Stender who hails from Webster Grove, Mo., is 25 years old, 6 feet 2 inches tall, weighs 195 pounds, and wants to be a Navy lawyer. He's been in the Navy three years, the last ten months of that time at the NOTS Long Beach Facility.

ARE YOU PREPARED FOR WOW?

Form with fields for 'From', 'TO', and a 'PLACE HERE STAMP' box.



CHAPLAIN'S MESSAGE

Only the Wise

CHAPLAIN EDWARD F. KANE



Whether it's a sun-drenched stroll on the canyon, or a rain-soaked dash through the parking lot; whether it's a moonlit ride across the desert, or a floodlit race on the freeway; whether it's a sun-tanned Adonis on the beach, or a pain-bleached cripple on a stretcher — no matter who you are nor where, God can be seen in all things.

Nature is only a reflection of God. Easily seen in its beauty, God can be discerned none the less in its majestic force of destruction. And man is the greatest proof for the existence of God.

As the Psalmist spoke it: "Only the fool says in his heart 'There is no God.'" (Ps. 14) More positively, a friend of mine wrote it thusly:

From cell to cell, from heart to heart, Within, without, beneath, above. Invisible strands of consciousness, Join life to life with strands of love. I am not lonely in this place, I am no stranger where I stand. The cloud is brother to my breath, The breeze comes friendly to my hand. In bird and insect, stream and tree, In summer's rose and winter's snow, There is something akin to me. A witness to the truth I know, That all are one within the One, Whose nature and whose law is love. And good is present everywhere, Within, without, beneath, above.

—(K.C.—1965)

PROMOTIONAL OPPORTUNITIES

Engineering Draftsman (Electrical), GS-5, 6, or GS-7, Code 7035 — The incumbent of this position is an electrical draftsman in the Electrical Br., Engineering Div., Public Works Dept. As an electrical draftsman, the incumbent prepares plans for use in construction, repair and maintenance of electrical facilities. He also performs technical duties required in the functioning of the Electrical Branch.

Qualifications Required: GS-5, 12 years and 6 months general experience and 6 months specialized; GS-6 (2 years and 9 months general and 9 months specialized); GS-7 (3 years general and 1 year specialized).

File applications for above with Dana Childers, Room 32, Bldg. 34, Phone 71393. Clerk (DMT), GS-4, Code 4005 — As clerk for the Shrine Program Office, incumbent would type memos, technical notes, project plans, off-station letters, etc. either from rough draft or material dictated on a transcribing machine. Acts as office receptionist and performs other general clerical duties.

Qualifications Required: Two years' clerical-typing experience, one year of which must have included transcription from dictating machine.

Mechanical Engineering Technician (Drafting), GS-7, Code 4046—Designs instrument panels, mounting brackets and simple mechanisms. Assists in design and testing of various hardware items and in developing new engineering techniques. Must have knowledge of standard Navy-approved drafting practices.

Qualifications Required: Three years' general drafting experience plus one year specialized in mechanical drafting-design work, closely associated with engineering techniques.

File applications for above with Sandi Craig, Bldg. 34, Room 28, Phone 72676. Staff Nurse, GS-6, Code 88 — All applicants must be currently licensed to practice as registered professional nurses in a State or territory of the U.S. In addition to a full three-year course in residence in an approved school of nursing which included broad background in medical, surgical, pediatric and obstetric nursing, applicants must have had at least one year professional nursing experience.

File applications for above with Pat Dettling, Bldg. 34, Room 28, Phone 72218. General Engineer, GS-12, Code 5564 — The incumbent will head up the NOTS program for component selection Engineering. He will be the NOTS representative for the Interservice Data Exchange Program (IDEP) and the Navy Guided Missile Data Exchange Program (GMDEP).

This program is designed to aid design or development engineers in selection of electronic mechanical components.

Knowledge of quality control features, reliability and functional characteristics, and performance under mil environmental stress required. Translates engineering requirements into specification information.

File applications for above with Loreta Hetherington, Bldg. 34, Room 34, Phone 71514. Deadline for filing is Aug. 27.

COMPETITIVE EXAMS The Board of U.S. Civil Service Examiners, Eleventh Naval District, Announces examinations for the following for filling vacancies as they occur at the U.S. Naval Ordnance Test Station, China Lake, Calif.

Card Punch Operator, GS-2, Ann. No. SF-20-60(65), issued Aug. 12, 1965.

Card Punch Operator, GS-3, Ann. No. SF-20-61(65), issued Aug. 12, 1965.

The register established for this examination will cancel and supersede the previous register for Card Punch Operator, GS-3.

File applications for above with the Civil Service Representative, U.S. Naval Ordnance Test Station, China Lake, Calif. 93557. Applications will be accepted from the issue date until further notice.

The Board of U.S. Civil Service Examiners, Eleventh Naval District, San Diego, Calif. Announces an examination for Public Information Specialist, GS-9 & 11 and Public Information Officer, GS-12, Ann. No. SF-20-44(65) for filling vacancies as they occur in Federal Government Establishments in Southern Calif.

File application Form 57 and Card Form 5001-BC with the Board of U.S. Civil Service examiners, Eleventh Naval District, San Diego, Calif. 92130.

Applications must be received or post-marked on or before the closing date of Sept. 2, 1965.

Foreman Mechanic (Maintenance), U.S. Naval Construction Battalion Center, Port Huachuca, Calif. File Card Form NAVEX-OS 4155-AB and SF-57 with the Director, Industrial Relations Division (Code 12011) U.S. Naval Construction Battalion Center, Port Huachuca, Calif. not later than the close of business Sept. 3, 1965.

It's strictly a myth that decreasing tire pressure will give you a better grip on wet surfaces. Actually, letting air out increases the chances of skidding and increases stopping distances as well.

One major virtue of telling the truth is that you don't have to keep track of what you've said.

When you're behind the wheel use your eyes, ears and your knows.

NOTS In Review

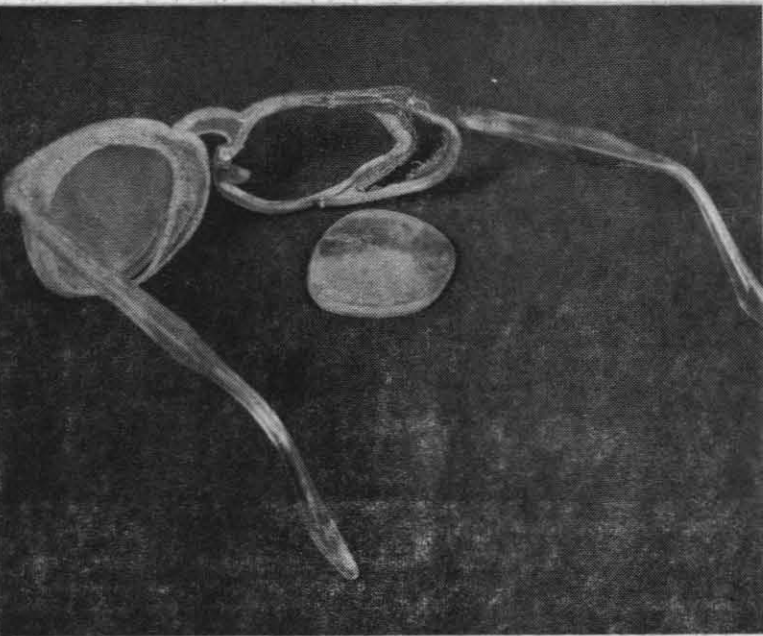


DEPARTURE GIFT—Master Sergeant John A. Coryell (center) admires .38 Smith & Wesson Special presented to him by Larry Sullivan on behalf of the CPO Club's assoc. members and Chief Bill Spruiell on behalf of the active duty chiefs. The career Marine left for Vietnam last Wednesday. He is the only Marine to ever serve as president of the CPO Club's Advisory Group. In addition, he was on the Credit Committee of the NOTS Federal Credit Union.



TAKING SIX MORE YEARS of Navy service, Leroy E. Abey, Aviation Structural Mechanic Second Class, receives the oath from Cmdr. Donald Loranger, CO of VX-5. Hailing from Kellogg, Idaho, Abey, his wife Shirley, and daughter Yvonne live at 313 Robalo St., Ridgecrest.

WHY WEAR 'EM?



SAVED HIS EYES—The man who wore these safety glasses at NOTS on Thursday, August 5, suffered no eye injuries while exposed to a propellant fire. The man was Donald C. Wittenbrink of Propulsion Development Dept.

Win Accolades



DRAW PRAISE—Carol Chatterton, IWV Swim Team coach, left, and Helen Fletcher, Swim Team manager, right, and Frank Knemeyer, president of the IWV Swim Team Board of Directors, drew praise last week from members and parents for their work with the local swim group. The swim team won all but one of the 15 meets entered. Team members shattered pool records at every meet and set 10 new Kern County records. In recognition of her eighth successful season as coach, Mrs. Chatterton was gifted with a silver bowl by the swimmers and their parents. Over 100 youngsters from six to 1 year of age participated.

Military Bowl Hosts Leagues "Five" Plays Numbers, Busters Soar Upward

Winter leagues are now being formed for the military bowling alley. The alley will open Wednesday, September 1, for open bowling, and league play is to begin Monday, September 7.

Team leaders should call the Special Services office at ext. 72017 or 71791 to enter their teams. Choices of nights will be given on a first-come, first-served basis.

The alleys have been recently resurfaced to meet American Bowling Congress specifications, and new ball-returns have been installed.

Lady Bowlers To Meet, Organize

The China Lake Woman's Handicap Bowling League will hold an open meeting on Wednesday, August 25, at 7:30 p.m. in the Community Center.

Ladies interested in bowling or substituting on teams should call FR 5-2859 or NOTS ext. 725591 for further information.

Bowling Assoc. Meets Wednesday

The Ridgecrest-China Lake Bowling Association will meet at 7:30 p.m. Wednesday in Room B of the Community Center for the annual installation of officers.

Also on the agenda will be the awarding of trophies to 17 of the Association's bowlers. Slated for awards are Richard Zurn, Enoch Nickolson, Dick Fredrick, Bill King, Andy Bodner, Ed Creer, "Red" McQueen, Burt Kaucher, Bert Anderson, Dick Zinke, Dan Ryan, Frank Grober, Frank L. Hommedieu, Bob Lawlor, John Dragovich, Tom Short, and Ray Smith.

BY KEN RICH  
We Five continues to roar toward the Desert Summer League Championship as they downed Acey Deucey for three games on Wednesday, August 4, and then took all four games from Desert Motors on the fifth.

The magic number is now three. Any combination of three wins by the Five or three losses by the NAF Crabs clinches the pennant for We Five.

There are some new faces in the first division this week, as the GRB Pin Busters have roared out from a dismal 11th place to fifth place in a short three-week period. The GRB No Names have finally made the first division after many weeks of frustration.

About the biggest disappointments up to this point are the dismal showing of the Desert Motors team and the collapse of the fighting Apes, who now own the cellar position.

STANDINGS (As of August 6)

Table with columns: Team, Won, Lost. Includes We Five, NAF Crabs, Beaver Patrol, GRB Pin Busters, GRB No Names, Bronze Bombers, Acey Deucey, F. O. Eagles, Desert Motors, Station Hospital, Apes.

Bristlecone Trip Slated Sunday By Museum Group

A field trip under the auspices of the Maturango Museum is slated for this Sunday to the Bristlecone Pine Tree area at Schulman Grove in the White Mountains.

No attempt will be made to caravan from China Lake. Those making the trek are to meet Museum Director K. H. Robinson at the top of Westgard Pass around 10:30 a.m. Sunday.

Drivers should allow 3 1/2 hours travel time from the Ridgecrest-China Lake area to reach Westgard Pass.

Directions It is suggested that owners of Dr. Carl Austin's Coso Guide Book follow it as far as the Coso turnoff to make the ridge more interesting, then continue along the highway to Big Pine, 110 miles from NOTS main gate.

One-half mile north of Big Desert Fire Equip. onto Westgard Pass Road is plainly marked. Schulman Grove is 23 miles farther. Although the grade is steep, passenger cars in good condition can make it easily. At the 9,000-foot level there is a magnificent view of over 100 miles of the Sierra Nevada, according to Robinson.

Campsites are abundant at the 10,000-foot elevation, if families wish to camp Saturday night and meet the Museum group Sunday in time for the talks and excursions. It is a dry camp, however, water must be brought in.

Planning to camp or not, all should bring water for themselves and their cars, and jackets against the cold that settles in late afternoon. The guided tour will end around 4:30 p.m.



Bakersfield College Registration Opens on Monday from 5 to 9 P.M.

Bakersfield College Desert Division registration will be held on the following dates: August 23, 24, 25 and 26 from 5 to 9 p.m.; August 27 from 8 a.m. to 4:30 p.m.; and August 30 and 31 from 5 to 9 p.m.

Fifty-two courses will be offered for the fall semester, including university transfer, terminal and adult education classes.

New to the college program are classes in interior decor-

ating, wood cabinet making, art history, modern fiction, criminal evidence, spelling, and the university - parallel Physics 1A (mechanics).

STATION LIBRARY LISTS NEW BOOKS

A complete list of new books is available in the library.

- Fiction Bennett—Mister Fisherman. Campbell—Analog 3. Hill—Catch a Brass Canary. Ross—Ready for the Tiger. Saroyan—One Day in the Afternoon of the World. Non-Fiction Chase—The Case for Democratic Capitalism. Cousy—The Last Loud Roar. Drago—Great American Cattle Trails.

The Rocketeer

Official Weekly Publication of the U.S. Naval Ordnance Test Station China Lake, California

Capt. John I. Hardy, USN Station Commander

1st Lt. Bibby Public Information Officer

Frederick L. Richards Editor

Staff Writers Budd Gott John R. McCabe

Staff Photographers Robert Hancock, PH2; Seth Rasmussen, PH3; Dennis Smith, PH3; Jerry Willey, PHAN; and Ralph Robey, PH2 (Pasadena).

DEADLINES: News Stories... Tuesday, 4:30 p.m. Photographs... Tuesday, 11:30 a.m.

The Rocketeer receives Armed Forces Press Service material. All are official U.S. Navy photos unless otherwise identified. Printed weekly with appropriated funds in compliance with NavExes P-35, revised July 1958. Office at 50 King St., Bldg. 00929. Phones - 71354, 71655, 72082.

DIVINE SERVICES

Christian Science (Chapel Annex)—Morning Service—11 a.m. Sunday School—9:30 a.m.

Protestant (All Faith Chapel)—Morning Worship—9:30 and 11 a.m. Sunday School—9:20 a.m., Chapel Annexes 1, 2, 3, 4 (Dorms 5, 6, 7, 8) located opposite Station Restaurant.

Roman Catholic (All Faith Chapel)—Holy Mass—7, 9:30 a.m., and 5:30 p.m. Sunday, 6 a.m., Monday through Friday, 8:30 a.m., Saturday.

Confessions—8 to 8:25 a.m., 6 to 8:30 p.m., Saturday; Thursday before First Friday, 4 to 5:30 p.m.

NOTS Jewish Services (East Wing All Faith Chapel)—8 p.m. every first and third Friday.

Sabbath School—10 a.m. to noon, every first and third Saturday.

Unitarian Fellowship—For information about meetings, write P.O. Box 5674, China Lake.



"T" BALL CHAMPIONS—The Lions won the "T" Ball League with an 11-1 season record. Kneeling (l-r) are Steve Paine, Les Warner, Marty Smith, Bill Benson, Mike Fredericks. Second row: Terry Burkland, Drew Martin,

Richard Erfurt, Horace Stanton, Mike Hamm, Mike King. Third row: Bob West, Derrell Dunn, Walt Burfeindt, Tom O'Lane. Back row: Manager George Linsteadt, Coaches Walter Burfeindt and Bill Benson.

GENERAL MESS MENU

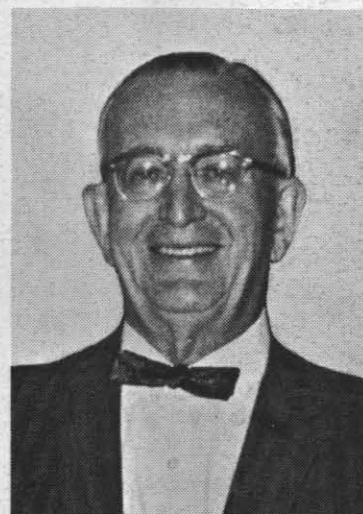
- FRIDAY, AUGUST 20 D-Corn Chowder, fried perch fillets, salmon loaf, French fried potatoes, stewed tomatoes, wax beans, salad bar, prune and cream pie, ice cream, cold drink. S-Grilled hamburgers, chili sauce, home fried potatoes, broccoli, salad bar, marble cake with marshmallow frosting, cold drink. SATURDAY, AUGUST 21 B-Cereal, fruit, fried eggs, ham slices, waffles, syrup, fruit juice. 1000 ADD: Navy bean soup, ham salad sandwiches, potato salad, salad bar, ice cream, cold drink. 1000 Omit: Ham slices, waffles, syrup. S-Grilled beef steak with sauteed mushrooms, mashed potatoes, corn on the cob, salad bar, cottage pudding with chocolate sauce, cold drink. SUNDAY, AUGUST 22 B-Cereal, fruit, fried eggs, bacon slices, waffles, syrup, tomato juice. 1000 ADD: Chicken rice soup, bacon lettuce tomato sandwiches, salad bar, ice cream, cold drink. 1000 Omit: Bacon slices, waffles, syrup. S-Oven roast turkey, giblet gravy, mashed potatoes, bread dressing, asparagus, salad bar, fruit jello, whipped cream, cold drink. MONDAY, AUGUST 23 B-Cereal, fruit, French toast, pork sausage patties, syrup, jelly doughnut. D-Maryland fried chicken, giblet gravy, mashed potatoes, bread dressing, peas, salad bar, custard pie, cold drink. TUESDAY, AUGUST 24 B-Fried eggs, luncheon meat, hash brown potatoes, Swedish tea ring. D-Vegetable soup, chicken fried steak, onion gravy, hash brown potatoes, carrots, salad bar, apple pie, cold drink. S-Grilled cheeseburgers, French fried potatoes, Navy beans, corn, salad bar, chocolate cake with chocolate frosting, cold drink. WEDNESDAY, AUGUST 25 B-Cereal, fruit, griddle cakes, bacon slices, syrup, Danish pastry. D-Tomato rice soup, roast leg of pork, brown gravy, sweet potatoes, creole haminy, salad bar, cherry pie, cold drink. S-Beef chop suey, fried rice, green beans, chow mein noodles, salad bar, lemon cake with lemon frosting, cold drink. THURSDAY, AUGUST 26 B-Cereal, fruit, cheese omelet, ham slices, home fried potatoes, kolaches. D-Cream of potato soup, beef sauerbraten, natural gravy, grilled potatoes, green beans, salad bar, strawberry pie, cold drink. S-Chicken ala king, mashed potatoes, asparagus, hot biscuits, salad bar, marble cake with mocha frosting, cold drink. FRIDAY, AUGUST 27 B-Cereal, fruit, navy baked beans, corn beef patties, blueberry muffins. MENU SUBJECT TO CHANGE



### PW Man Retires, Ceremonies Hilit Triple Honors Due

"There's travelling in our future," said Norman A. Mohrbacher as retirement ceremonies were held recently in the Public Works Department. Mrs. Mohrbacher, present for the occasion, smiled her approval.

It was indeed a gala occasion for the Mohrbachers. Besides being retirement day, Norm was presented with a Superior Accomplishment award



**NORM MOHRBACHER**

— his fourth at NOTS, and that was followed by presentation of a 20-year pin.

Norm hails from Marysville, Kan., where he attended the University of Kansas at Lawrence, and pursued a career in private industry for a time.

His first position with the Government was with QMC, Camp Crowder, Neosho, followed with duty at Long Beach with the Naval Shipyard, Marine Corps Air Station at El Toro, and Bureau of Reclamation at Boulder City, Nevada.

He joined NOTS' Rockets and Explosives Department in October 1950. It was called Central Engineering Division then.

He has been with Public Works since 1954, retiring from Engineering Division's Civil and Structural Branch. Notable projects on which Norm has worked include Polaris, ASROC, and SUBROC to mention a few.

### Bad Guys Do Triumph

The Bad Guys triumphed again in last week's bowling play by racking up four wins against the Go-Go-S, giving them a won-lost record of 34.5-13.5.

With only one week to go in the league, first spot is cinched.

In the dust of the Bad Guys, though, the battle rages on.

El Toros lead at the moment with 29 wins; followed by Team Four with 26; Eagles and Notsings with 25 each; Go-Go-S have 24; Astronots, 21; Alley Smashers, 20; Alley Kats, 19.5; and Wash Outs, 16.

It'll be close all the way for second and third spots in the league. Watch next week's Rocketeer for the results.

One of the best ways for the American family to know one another better is for the TV set to break down.

# NOTS Pasadena

VIRGINIA E. LIBBY — EXT. 638

## Nine Employees Receive M. A. Degrees Via Station Program

Congratulations are extended to the following Pasadenans who have received their Master's Degrees: B. A. Bologna, Richard J. Bourne, Robert T. Hodgson, William W. Lowe, Robert L. Marimon, William A. Middleton, Winford R. Starling, Michael L. Sturgeon, and Herbert J. Summers.

### B. A. Bologna

Bob is with the Simulation and Computer Center of the Guidance and Control Division. He came to NOTS on the Junior Professional Program in 1960 with two Bachelor degrees — one in Electrical Engineering and one in Mathematics.

He continued his education under the tuition refund system for two and one-half years, then switched to the Graduate Academic Program (GAP). He has received his Master's in Electrical Engineering from USC.

### Richard J. Bourne

Dick, a member of the Missile Branch of Systems Operations Division, has received a Master's degree in Mathematics from California State College at Los Angeles under the GAP program.

He earned his B.S. degree at South Dakota State College in 1959, held a teaching position for a year, then joined the JP program at NOTS.

### Robert T. Hodgson

Bob is with the Detection and Classification group of Advanced Systems Branch, Systems Operations Division, which incidentally was his final tour on the JP program.

He came to NOTS in late

1959 with a B.S. degree from Whitman College, continuing to take night courses. In the Fall of 1962, he went to work on his Master's under the GAP program. He has received his M.S. degree in Physics from UCLA.

### William W. Lowe

Bill is with the Simulation and Computer Center, Guidance and Control Division, and has received a M.S. degree in Physics from San Francisco State College under the GAP program.

He earned his A.B. degree in Physics from San Francisco State in 1957. He did a year's graduate work before joining NOTS in 1958 as a Junior Professional.

### Robert L. Marimon

Bob first came to NOTS in 1954 on a part-time basis. Then a year later, he became a full-time employee in the JP program. He is a graduate of Occidental College with a B.S. degree in Electrical Engineering.

Bob has now received a M.S. degree in Electrical Engineering from USC under the tuition refund program. He is a member of the Electronics Group of the Guidance Branch, Guidance and Control Division.

### William A. Middleton

Bill is a Mathematician in the Hydrodynamics Branch, Propulsion Division, and has earned his M.A. degree in Mathematics from California State College at Los Angeles under the GAP program.

He has been with the station since graduation from the University of Oregon in 1960, having come aboard as a Junior Professional. He has been with the Propulsion Division since graduation from the JP program.

Bill left last Monday for two months in England where he will participate in a joint

United States-United Kingdom propeller research program.

### Winford R. Starling

Win has completed work for his Master's in Electrical Engineering from USC. He has been with NOTS since 1960, having graduated from San Diego State with a B.S. in Electrical Engineering. He entered NOTS as a Junior Professional.

Taking one semester out, he then continued his studies, and worked on the Master's under the tuition refund refund.

Win is with the Electronics Section of the Development Branch, Product Engineering Division.

### Michael L. Sturgeon

Mike is with the Hydrodynamics Branch of Propulsion Division, and has received a M.S. degree in Mathematics from California State College at Los Angeles.

He earned his B.S. degree in 1960, also in Mathematics, from San Diego State College, and on graduation joined NOTS in the JP program.

He earned his Master's under the GAP program, and hopes to continue for a doctorate.

### Herbert J. Summers

Herb, a 15-year employe of NOTS, in June received his Master's from USC in Geological Oceanography. He has been working toward this goal for the past five years utilizing for a while the tuition refund program, and also the GAP program.

He earned his B.S. from USC in Electrical Engineering some years ago, but has continued his educational expansion by taking evening courses for some years.

A General Engineer with Systems Development Division, he is presently involved in studies of the effect of maritime climatic environments on weapons.

### Application Dates Listed to Apply for Education Leave

The Pasadena Personnel Division this week reminds employees it's time to submit applications for the coming Fall and Spring semesters for off-station advanced academic training.

Next Friday, August 27, is the deadline for applications for general educational benefits (educational leave or tuition refund) for the Fall semester to be received in the Personnel Division.

Applications to study under the Pasadena Annex Graduate Academic Program (GAP) for the Spring semester of 1966 must be submitted to Personnel before October 1.

A wide range of educational benefits are available to NOTS employees, and Personnel advises review of NOTS Instruction 12410.5D and Pasadena Annex Instruction 124-10.1B for full details.

### All Keglers

## Winter League Is Now Forming

Like to bowl? Join the league. Plans are now underway at NOTS for the winter session.

A meeting is scheduled to organize the league for the winter season. That's on Monday, August 23, at 12 noon, in the Building 7 large conference room.

Main items for discussion at the meeting are method of forming the teams, starting date, length of the season, and league rules in general.

All NOTS employees who are interested in bowling are urged to attend, so this ESO-sponsored activity may represent as great a number of employees as possible.

If you are unable to attend the meeting but wish to participate in the league, submit average to either Mert Welch of P80872, Ext. 502, or Bill White of P8075, Ext. 474.

You may lose a minute by driving carefully, but remember you can lose your life in seconds.



STATE AND LOCAL LEADERS review mobile hospital's assembling instructions in Building No. 158 at Salt Wells. They are (l-r) Wilbur E. DeVore, Calif. Disaster Office; Edward L. Harris, Ridgecrest Community Hospital administrator; Dr. Robert J. Hamblin of Drummond Medical Group; and William J. McLarty of Calif. Disaster Office.

## 28 China Lake SeaBees Training at Coronado

Twenty-eight reservists of the local SeaBee Division 11-2 left last Sunday for two weeks of active duty training at the Naval Amphibious Base, Coronado, where they will combine

utilities man.

### Unit Has Openings

Although new recruitment is presently restricted to pay grades E-3, E-4, and E-5, there are openings in all these rates with the local unit, according to Lt. R. D. Malone, commanding officer.

### Modern Man's Problem: How To Keep His Teeth

Capt. Joseph J. Chudzinski, Station dental officer, this week stressed the importance of seeking good dental health to all modern people "who are interested in displaying teeth in their mouths instead of around their necks, as was an ancient custom."

He noted that the relatively recent extension of life expectancy past the 35 or 40 years of not too long ago obliges us to take active measures to keep our teeth. "In this country alone," he said, "it has been estimated that about 97 percent of the population suffers from dental decay or diseases of the gums and other supporting tissues of the teeth."

He stressed that the first and most important measure to take in protecting the asset of a full set of healthy teeth is to visit a dentist regularly.

Also, leaving with the 28-man China Lake contingent last Sunday was Cdr. W. E. Davis, senior officer of the local unit. During the two-weeks of active duty training at Coronado, MCB 17 will be comprised of 500 men and will consist of five companies. One headquarters company, one equipment company, one special equipment company, two general construction companies, and one general construction company will make up the battalion. SeaBee ratings represented during the two-weeks of training will include construction electrician, construction mechanic, equipment operator, steel worker, engineering aid, and

## Emergency Hospital Is CD Cornerstone

(Continued from Page 1)

comprehensive civil defense effort jointly carried by China Lake, Ridgecrest and Inyokern community leaders.

With H. G. "Hack" Wilson, NOTS Associate Technical Director, at its head, the group has been making arrangements for emergency medical facilities, extensive fallout shelter facilities and emergency police and patrol personnel to be specially trained for a variety of emergency situations.

The emergency hospital is one cornerstone of this Civil Defense triangle.

In its 720 boxes, each weighing about 20 pounds and easily carried by two persons, it is designed to be quickly set up at a phone call in event of a disaster that would overwhelm present hospitals.

Building No. 69 at Salt Wells has been designated as the site of the unit, presently stored in Building No. 158. In addition to its 200 beds, the hospital includes two 10-kilowatt gasoline generators, a 1,500-gallon water tank and pumping unit, and 30 days' supply of medical materials including non-narcotic pain killers.

Even the building selected for the site of the hospital is well designed for emergency use.

Building No. 69 at Salt Wells, in which work with explosive

ordnance materials is now phasing out, has a 200 to 1 fallout protection factor according to Bernard A. Sword, of Research Department's Aérothermochemistry Group and H. G. Wilson's Civil Defense assistant.

"Federal standards require at least a 50 to 1 factor," says Sword, "and we are very fortunate to have this high a factor available." The factor means that radiation would be reduced by 200 inside the building.

### "Results" Is Watchword

"All of us in this organization from our three communities have operated on the principle that no one responds to promises," Sword explains.

"We have just gone ahead together to draw up the outlines of a civil defense program and mentioned it only when we have obtained something concrete, tangible and ready, to talk about.

"The community can readily participate in something real and present — not so in something existing only in speculation. In this mobile hospital, we have something real."

Residents of the Indian Wells Valley will, in fact, have the opportunity to scrutinize this mobile civil defense hospital in detail when an identical model of it is set up at Burroughs High School later this fall.

The model hospital will be a touring unit of Federal civil defense. The public is to be invited to see it, and local civil defense personnel will also watch it being set up — by way of a special training exercise.

Organization Is Well-Oiled "There has been absolutely no friction whatever in the Indian Wells Valley Civil Defense Group," Sword exclaims. "The cooperation from everyone involved has been just beautiful from the beginning."

Members of the Civil Defense organization's Advisory Council from China Lake are John L. Cox, Engineering Department associate head; Harold F. Metcalf, Weapons Development Department associate head; and Mrs. Carolyn Lindberg of Test Department's Assessment Division.

Council members from Ridgecrest are J. Elliott Fox and Burke West. From Inyokern, they are James A. Marsh and Milford Carlson.

Edwin C. Shaw, head of Maintenance and Utilities Division of Public Works, leads the Civil Defense group's Engineering Division, which would set up the mobile hospital in an emergency.

Other divisions provide for transportation, communications, supply, security, shelter, information, personnel and welfare, fire and rescue, and anti-atomic, biological and chemical (ABC) work.

The representative for Valley schools is Albert S. Gould of Weapons Development Department's Air - to - Surface Weapons Division.

If he had been rich they would have called him an eminent society playboy, but he was poor so they called him the town drunk.



X-RAY AND FLUOROSCOPIC UNIT, recognizable only by label, is inventoried by Lt. Cdr. John M. O'Lane, actg. Senior Medical Officer, and Station Hospital administrative officer CWO R. F. Christopher (l-r). Unit uses a 60-second Land Polaroid developer on special film.

### Aetna Agent To Be At Community Center Wednesday, Thursday

Howard Keenan, representative of the Aetna Insurance Co., will be at the Community Center next Wednesday and Thursday, according to Austin Ross, Head of Employee-Management Relations.

Members of the Aetna Federal Employees Benefits Program may consult with Keenan from 9 a.m. to 4:30 p.m. on Wednesday and from 9 a.m. to 3 p.m. on Thursday.

### Handicapped Hires Up

Nearly 20 out of every 1,000 Federal hires were physically handicapped persons in 1964, compared with 18 per 1,000 in 1963.

### Two Wags on Mayflower

New York (AFPS) — In the heritage of America, perhaps one of the oldest family lines belongs to a group who can't even brag about it. That group is the dog family. The Pilgrims brought along two dogs on the Mayflower — a mastiff and a spaniel.

### PROMOTIONAL OPPORTUNITIES

To apply for vacancies, contact Nancy Reardon, Pasadena Personnel Division, Extension 492. A current SF-58 must be submitted when applying.

Electronic Technician, GS-11 (2 vacancies); Code P8054 — Provides electronic support for engineering staff in the design and prototype development of fire control systems for ASW. Does layout, breadboarding, and fabrication of fire control components from rough sketches or outline of requirements.

### Long Beach

## Ships to Host General Visiting

The following ships will host general visiting in the Long Beach Area during the remainder of August. Visit hours are 1-4 p.m.

21-22 August — Inboard MSO/MSI Pier Nine.

28-29 August — Inboard MSO/MSI Pier Nine.



20-YEAR FEDERAL SERVICE PINS—Public Works members, honored for their long service are: L-r: Lamorn McDowell, Arthur V. Cunningham, Raymond R. Gorz, Ernest F. Feyrer, Victoria R. Hewitt, Conrado Galvez,

Robert M. Randall, Charles H. Frady, Norman A. Mohrbacher (see retirement story), and Howard E. Lynch. Presentations are made by Lt. Thomas L. Longan (far right), Pasadena Public Works Officer.



## Rocketeer Wins Merit Award

In a letter this month from RAdm. W. P. Mack, Department of the Navy's Chief of Information, the Rocketeer was named as one of the 43 top military newspapers in a field of 500 publications, during the fourth quarter of 1964.

Elements considered by the Office of Information in making the Merit Awards included layout and reproduction, overall interest, news balance, coverage, use of photographs and art, and use of available resources.

Richard W. Grueneberg, editor of the Rocketeer during 1964's last quarter, joined the news editing staff of the Louisville Courier Journal in June this year, after two and a half years with the Rocketeer.



## Ingenuity Brings \$1300 In Awards to Inventors

(Continued from Page 1)

hunting of the system. They were granted a patent and split a \$100 award.

**Dr. Thomas S. Amlie and Earl J. Donaldson** received \$100 and a patent for their invention of a gimbal-less two-axis rate gyro which is used to measure angular displacement for telemetering pitch and yaw information in vehicle guidance systems.

**Propulsion Development Stanley L. Johnson** was granted a patent and a \$100 award for developing a new and improved bottom outlet valve for a mixing vessel, several of which are presently in use at the Pilot Plant.

**John D. O'Drobinak and Dr.**

**Martin H. Kaufman** were granted a notice of allowability and a \$100 award for the development of a new castable fluorocarbon binder for use in propellant, pyrotechnic, and explosive compositions.

**Dr. Kaufman has garnered 21 patents during his 12-year tenure at NOTS. He is to depart soon for one year of post-doctoral research at the Universities of Milan and Naples.**

**Kenneth R. Foote** shares with S. Russell Allen of Public Works in a patent and a \$300 award for the invention of a "wheels-up" flare warning system for aircraft pilots.

**Weapons Development Jack A. Myers and Langthorne P. Sykes** received a patent and a \$200 award for an improved radial wedge tube joint. Co-inventor Sykes has left the Station.

**James C. Mitchell Jr.** received a \$100 award and was granted a patent for development of an improved oscillator circuit for generating oscillations at a desired frequency by employing a transistorized transmitter.

**Public Works S. Russell Allen** shares with Kenneth R. Foote of the Propulsion Development Dept. a patent and a \$300 award for the invention of a "wheels-up" flare warning system for aircraft.

**Test Department Lyman F. Van Buskirk** was granted a patent and a \$100 award for the development of a zone plate radio transmission system. The zone plate device provides a radio-frequency-antenna with beam quality comparable to paraboloids and is capable of simultaneous transmitter-receiver usage.

It is an emergency signaling system employing flares to advise a pilot of prevailing conditions as he makes his landing approach.

## 'Pajama Game' Leads Hefty Theater Season

The Community Light Opera and Theater Association announces the selection of the George Abbott musical hit "Pajama Game" as its next major production. "Pajama Game" opens October 28 and will run through October 30, with three performances scheduled the week following, November 4, 5, and 6.

"Pajama Game," based on the unlikely theme of a strike-threatened pajama factory, was not only a hit on Broadway but also a successful motion picture. Composers Richard Adler and Jerry Ross joined forces to create the musical score for the George Abbott-Richard Bissell book, a collaboration resulting in a show which ran for over 1,000 performances on Broadway.

The Board of Directors of the Association has expressed confidence that "Pajama Game" will prove to be a unique and delightful theater experience for local residents.

**Big Titles—Big Talent**  
Encouraged by the success of its recent productions, "My Fair Lady" and "South Pacific," the Association plans a more ambitious schedule for a new season that includes plans for three major productions.

John Lawson, who has served as Production Director for the Association, will soon leave the community and his work in local theater when he moves to Coalinga College as Drama Department Head. Lawson will lend his talents to the development of a new curriculum in drama as well as to theatrical productions at the college.

Serving as Production Director for "Pajama Game" will be Bea Goode Moore. Mrs. Moore has achieved considerable success in local theatrical productions and is expected to lend a special touch to "Pajama Game," according to Association president Dr. Richard Ashcom. Dr. Ashcom reports that the Board announces "with considerable pleasure" the appointment of Vern-on Green as Technical Director.

To the rear, check! Never pull out to pass unless you're sure someone behind you isn't trying to pass you on the same side.

tor and of Albert Warren as Orchestral Director for the coming season.

Audition dates and cast requirements for "Pajama Game" will be announced next week.

## Milan Festival Honors NOTS

A "Golden Bough" for marine motion picture productions was awarded to the NOTS film "The Dolphins That Joined the Navy" at the international Milan Film Festival recently.

A production of NOTS' Public Information Office, "Dolphins" portrays a joint research project with the Navy's Pacific Missile Range at Point Mugu, Calif., and stars Tuffy, leading male in a cast of "cerebral dolphins," or porpoises.

Navy reserve commander Glenn Ford narrated the film.

**Work With Sealab**  
The project in progress at Pt. Mugu aims to discover just how well Navy divers and porpoises can work as teams — how well they can communicate and cooperate.

Aquanuts now working with the Navy's new Sealab II off La Jolla will — hopefully — use Tuffy as a messenger in the project's latest phase. The first of two 10-man teams of civilian and military aquanuts will take up residence in the underwater laboratory, 210 feet below the surface, on Sunday, August 15. Sealab II, built at Long Beach Naval Shipyard, was launched there Friday, July 23.

**Brings Extra Dividend**  
The United States Information Agency has added a layer of frosting to the Station's Golden Bough Award cake by ordering 100 copies of "The Dolphins That Joined the Navy" for distribution through its worldwide facilities.

"It is just what we need to project the American scientific image around the world," said USIA officials. Earlier, the film was sent to all Naval Districts and Navy Reserve public information units in the United States for public showing.



—Photo by Seth Rossman, PH2  
**THEIR POCKETS WILL JINGLE** with cool cash from popular cold drink stand on Hussey near Groves. Proprietors behind stand, Owen Nesbitt, 14, and Phillip Amparano, 11, (l-r) were staked to first batch of refreshments by their parents this week; everything else has been bought out of profits. Customers Ted Smith, 7, and Susan Smith, 6, make a stop. The young businessmen report that Public Works people working in the area have been dropping by to fill thermos bottles. Nesbitt and Amparano are saving up for slot-car equipment, a recent fad here.



**NEW CPO WIVES CLUB OFFICERS**—Officers who will guide the activities of the CPO Wives Club (l-r) are Eleanor Spruiell, treasurer; June Rossellini, secretary; Barbara Foote, president; Joyce Iske, vice president, and Dee Raines, past president.

## Auto Hobby Shop Open to All Military

### Abundance of Tools Makes Overhaul Easy

TEXT AND PHOTOS BY SETH ROSSMAN, PH3

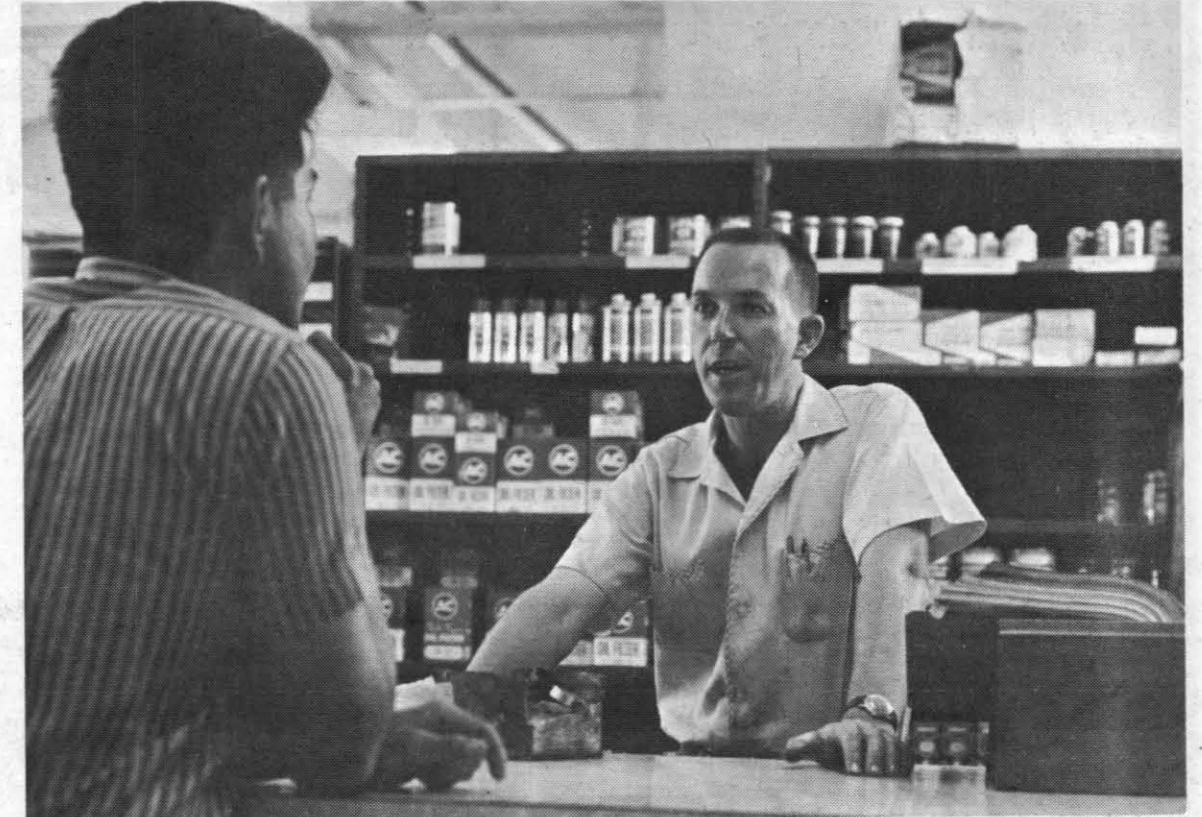
The Auto Hobby Shop next to the Acey-Deucey Club provides a reasonably inexpensive place for military personnel with a lot or a little mechanical ability, whether you just want to change the points in your car or do a major overhaul on your engine.

There are tools available to do over 90 per cent of the work ever necessary on an automobile. Any parts that are not in stock may be ordered and most cases overnight.

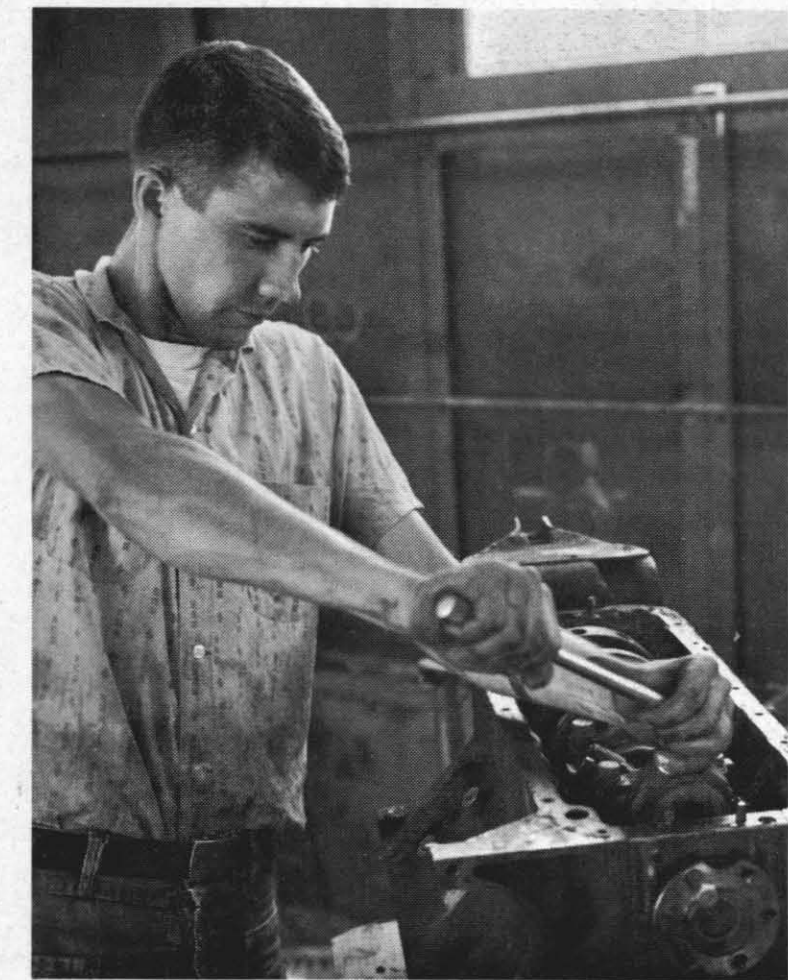
Some of the heavy machinery available is a valve grinding machine, a drum lathe, arc and gas welding equipment and a battery charger. These along with assorted car jacks and a hoist to pull out engines

round out almost every overhaul problem.

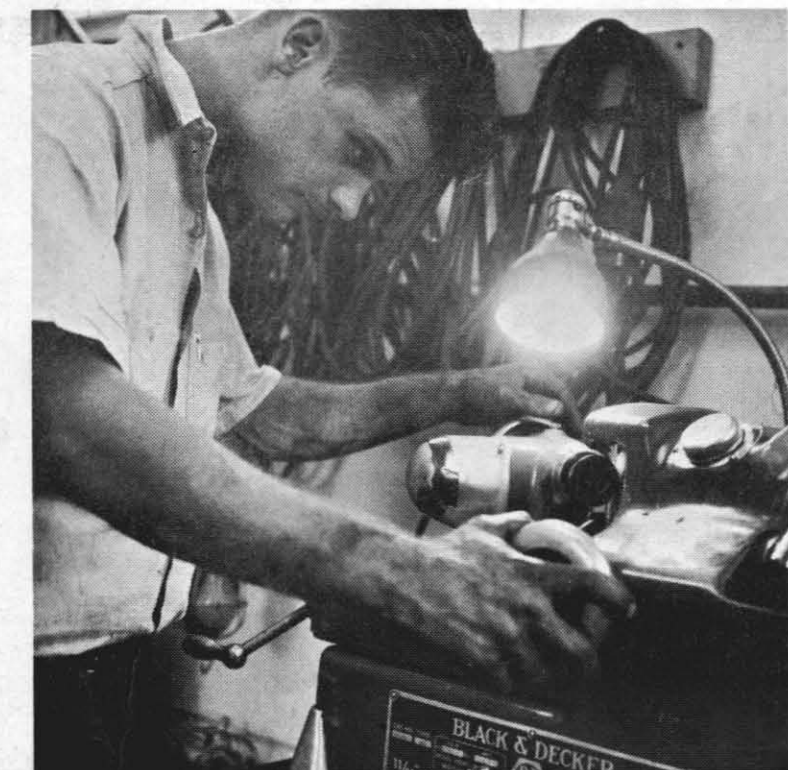
**Abundance of Tools**  
The Hobby Shop has about every tool necessary from the smallest screwdriver to large torque wrenches and they are furnished without cost to the user. All that's necessary is to fill out a stub, hand it to the duty manager, and to start work. However, the tools are not allowed to be taken from the Hobby Shop compound.



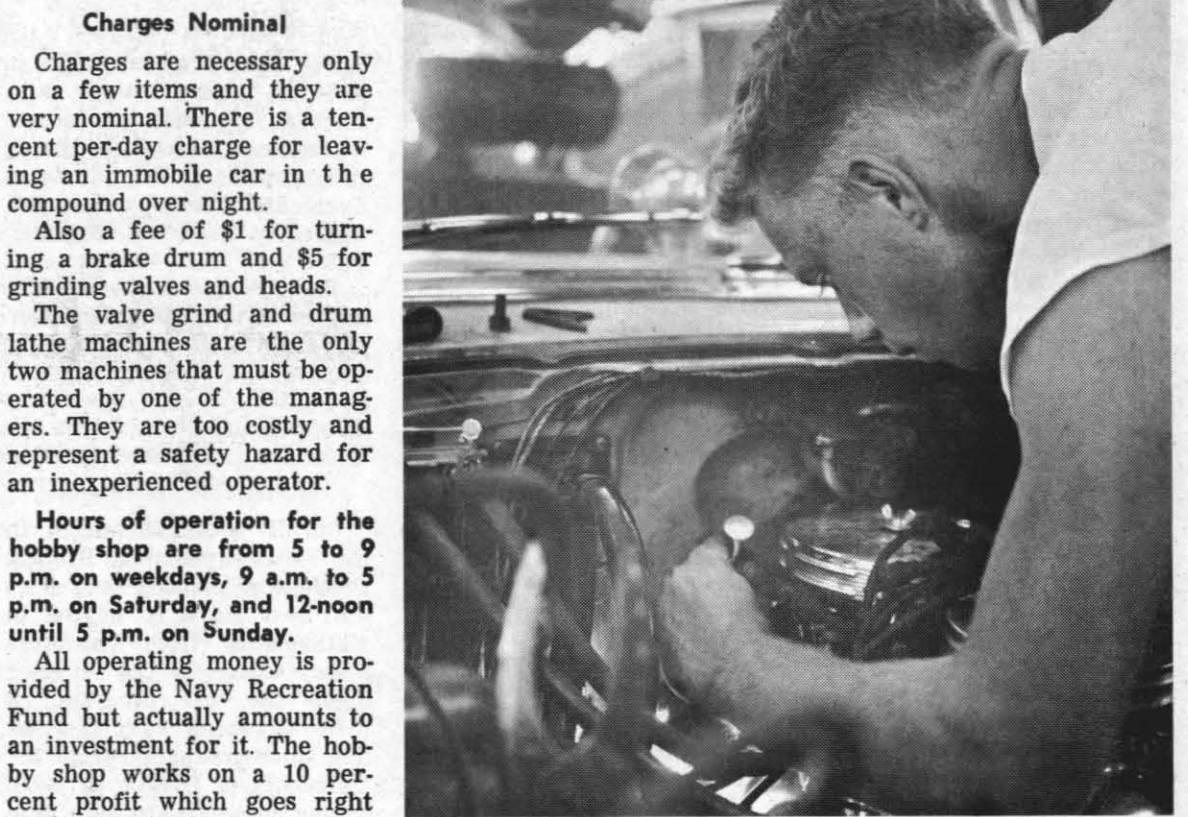
**WILLIAM M. SAPP, AZ1, assistant manager, checks out tools to R. A. Ignacio, SF1. Shelves behind Sapp hold a ready stock of spark plugs, points, ignition wiring, replacement headlights, oil filters, and other automotive accessories.**



**JIM WILSON, AQB3, tightens bearing nuts after installing new crankshaft and bearings. Chain hoists make removal of engine blocks a simple process.**



**MIKE GUY, Auto Hobby Shop manager, grinds valves on new Black and Decker precision grinder. Valve grinder and drum lathe are only two machines that can't be operated by Hobby Shop patrons.**



**KENNETH H. KAPPER, ADJAN, adjusts carburetor on his car. Most parts can be obtained within 24 hours. A complete set of metric wrenches are available for foreign cars.**



**CHARLES E. THOMPSON, a Navy dependent, works on generator of his car. Military dependents and retired military personnel are eligible to use Hobby Shop.**

#### Charges Nominal

Charges are necessary only on a few items and they are very nominal. There is a ten-cent per-day charge for leaving an immobile car in the compound over night.

Also a fee of \$1 for turning a brake drum and \$5 for grinding valves and heads.

The valve grind and drum lathe machines are the only two machines that must be operated by one of the managers. They are too costly and represent a safety hazard for an inexperienced operator.

**Hours of operation for the hobby shop are from 5 to 9 p.m. on weekdays, 9 a.m. to 5 p.m. on Saturday, and 12-noon until 5 p.m. on Sunday.**

All operating money is provided by the Navy Recreation Fund but actually amounts to an investment for it. The hobby shop works on a 10 percent profit which goes right back into the fund. The shop comes under the management of the Special Services Division of NOTS.

In addition to the tools already mentioned, there is a complete set of Metric wrenches on hand for the foreign car enthusiasts.

Oil filters, oil clamps, spark plugs, and ignition wiring sets are on hand for most cars. Also, points and condensers, and seat belts, among other things.

#### Mike Guy Is Manager

The Auto Hobby shop is managed by Mr. Mike Guy, who lives at 63-A Franklin with his wife Nita and their five year old daughter DeDe. Guy is on Temporary Duty Assignment from NAF to the Special Services Division of NOTS. The two assistant managers of the shop are George L. Barnard ADJCA and William M. Sapp.

The use of the hobby shop is available to all active duty and retired military personnel and their dependents. All items purchased in the hobby shop are for the use of the person buying them and cannot be resold.