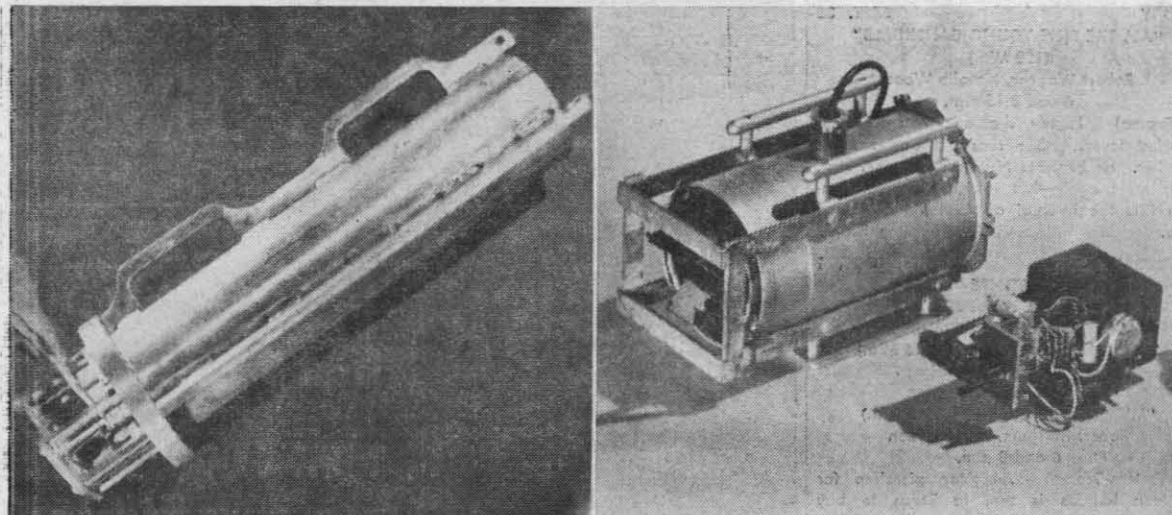


Oceanographic Instrumentation



BATHYMETER — Three important oceanographic variables—temperature, pressure, and sound velocity—can be measured to the greatest depths with this new instrument. It is an important step toward gathering basic data required to develop new undersea weapons and detection devices.

SPECTROPHOTOMETER — NOTS scientists have developed a fast photographic spectrophotometer to measure directly the spectral composition of transmitted and scattered light at various ocean depths. A quick-attach door allows fast and easy access to the interior of this compact unit.

NOTS Demonstrates Dynamic Exhibits At Annual ISA New York Conference

The Naval Ordnance Test Station displayed a physical array of graphically illustrated specialized instrumentation at the Fifteenth Annual Instrument Society of America convention held at the Coliseum in New York this week. Overseeing the preparation of, and accompanying the Station's exhibits to the introduction site were Al Christmas from the Technical Information Department, Bob Grasley from the Propulsion Development Department, and Justin Rühge from Test Department.

An animated model of Skytop, an instrumented complex of rocket testing facilities located at NOTS, revealed the role it plays in technique advances for rocket-data gathering by providing performance information on weapon systems now being readied for Fleet use.

Diversified Application
Designed to test large rocket motors, Skytop is used for the static testing of Polaris motors, the Navy's submarine-launched fleet ballistic missile.

The first stand in the Skytop complex, now completed and operational, is of the horizontal type. Construction is progressing on the second stand which will provide for both horizontal and vertical capabilities. The third stand, presently operational, is located in an isolated area allowing hazardous tests to be conducted with maximum safety to personnel and test facilities. Solid-propellant motors are currently tested, and future expansion will provide for the handling of liquid and hybrid systems.

Also displayed for the first time was a working model of the NOTS-developed Look-Angle Indicator, an electro-optical device. Designed to solve the problem of accurately determining the angle and attitude at which missiles approach a target, this device is a boon to developmental testing of preliminary models of new missiles.

Oceanographic Aids
Another exhibit is a typical example of the advanced work being done at NOTS in the area of oceanic research instrumentation. The Bathymeter, deemed vital to the

development of antisubmarine weapons, is a completely transistorized, frequency-modulated telemetering instrument which provides continuous measurement of the ocean's depth, temperature, and velocity of sound.

Capable of functioning perfectly at a depth of seven miles, it makes possible accurate prediction of the best sound transmission areas—a factor important to submarine defense. Past tests have been made from a non-moving platform. A new version of the instrument is being programmed that will function from a fast moving ship.

Undersea Photography
The oceanic research display also featured the photographic spectrophotometer, a means for recording spectral analysis and measuring the quantity of light in the ocean. Analyzing both sets of data, oceanographers can accurately determine the optimum combinations of film type, lighting, and filters to be used for underwater photography.

Whether measuring oceanographic variables or determining solutions to space age instrumentation problems, NOTS has demonstrated its ability to cope with the complexity of advanced research. The challenging need for new methods for interpreting information continuously demanded by accelerated programs is being met!

Football

BURROS vs. BISHOP
Tonight
Kelly Field at 7:30

ROCKETS vs. SEAL BEACH
1 P. M. Saturday
Kelly Field
Admission Free

H. E. Tillitt Speaks To Computer Group

Harley E. Tillitt, Test Department's Associate Head for Development, was the featured speaker at the first meeting of the newly formed San Fernando Valley Chapter of the Association for Computing Machinery last Wednesday, September 28.

His topic outlined the function of the Provisional International Computation Center, an organization developed through UNESCO with headquarters in Rome.

Over 100 persons who work in computation facilities in the Southern California area attended the meeting. The purpose of the Association for Computing Machinery is to provide computation personnel an opportunity to exchange information through personal contact in addition to published material on the subject.

The Southern California area embodies the largest aggregation of computer personnel in the country.

People-to-People Program Launched

Station residents and clubs are invited to contribute to the used textbook collection, which is part of President Eisenhower's "People-to-People" program. The Station Librarian, assisted by the Public Works and Supply Departments, is coordinating the collection of books which will be shipped to friendly nations in the Western Pacific area.

Only those books which have been published since 1947 are requested. They should be in good condition and be of such a nature that they will not prove offensive to any particular nation to which they might be sent.

College, secondary, and primary level textbooks are being sought in the following categories: general works, languages, dictionaries, grammars, science, useful arts, literature, and history.

Contributions may be delivered to the Station Library, which is serving as the local collection center.



SHARING THE SPOTLIGHT—Proclamations declaring October 2 to 8 as National Business Women's Week and National Harmony Week will bring three local women's clubs into sharp focus. Presidents of the groups (l-r) are: BevAnne Ross, China Lake BPW Club; Marge Deiber, Kern Desert BPW Club; and (front) Marie McArtor, China Lake Chapter of Sweet Adelines, Inc. See stories below.

Business Women Observe NBWW

National Business Women's Week will be celebrated by the National Federation of Business and Professional Women next week, October 2-8. Local observance will be highlighted by a Gold Plate Dinner sponsored by the Kern Desert BPW Club at The Hideaway, Monday, October 3, at 8 p.m.

Ever since its origin in 1928, the annual event has been heralded by the President of the United States, governors of states, and mayors of cities in honor of the nation's 22,000,000 working women. Nearly 20 percent of NOTS civilian employees are women.

Ken Day, in his official capacity as President of the Ridgecrest Chamber of Commerce, signed the proclamation declaring NBWW October 2-8. The 1960 theme of the observance is: "Symbol of the Sixties—More Women at Work."

Daughter Clubs Invited
Special significance will be attached to the event this year by the presence of members of Kern Desert's "daughter" clubs from China Lake, Trona, and Mojave at the Gold Plate Dinner.

The two local clubs, Kern Desert and China Lake, will further commemorate the event by attending in an aggregate group the 11 a.m. services at the NOTS Community Church on Sunday, October 2. Similar kick-offs have been scheduled at the same time during the week by BPW Clubs throughout the nation.

Clara Mahony, vice chairman of Section 4 and past president of the Kern Desert Club, will be chairman of the Gold Plate Dinner. Guest speaker will be Dorothy Brunzell, president of the Southwest BPW Club of Bakersfield. Her topic will outline the progress of the working woman through the effort of the Federation of BPW clubs.

Sweet Adelines to Sing
A lighter side of the program will be barbershop harmony songs by the China Dolls quartet of the China Lake Chapter of Sweet Adelines, Inc. Local Sweet Adelines are also celebrating their National Harmony week, October 2-8, with weeklong activities and publicity.

Officials and leading citizens in Indian Wells Valley have been invited to the Gold Plate Dinner as in previous years.

Members of the China Lake BPW Luncheon Club who have joined since Charter Night last February will be installed at a Dessert Coffee in the Mojave Room of the Club at 6 p.m. Tuesday, Oct. 4, as part of the NBWW festivities. The China Dolls quartet will provide entertainment preceding the 7 p.m. ceremonies. Vera Taylor, 2nd Vice President and Membership Chairman, is chairman of the event.

Sweet Adelines Fete Harmony Week

National Harmony Week, sponsored by Sweet Adelines, Inc., October 2-8, sounded off officially for the local Singing Sands chorus of the China Lake Chapter when Ken Day, President of the Ridgecrest Chamber of Commerce, signed this year's proclamation this month.

Weeklong Music Festival
In honor of the annual celebration by the women's barbershop harmony group, a weeklong music festival of barbershop harmony quartet and chorus renditions, under the direction of chorus director Dean Hewitt, have been recorded by the local group for broadcast over radio station KRKS. Recorded songs by champion quartets will also be broadcast. The entire week's programming is geared to emphasize the Sweet Adelines motto: "Harmonize the World."

In addition, an interview will be conducted with the Chapter's Membership Chairman, Eleanor Hartwig, on KRKS on Friday, October 7, at 12:15 and 6:15 p.m. Other publicity concerning the function of the organization and aspects of the personal as well as civic endeavors will be broadcast at the same times every day throughout the week.

NHW Coincides with NBWW
Harmony Week coincides this year with National Business Women's Week which will be celebrated by the local Business and Professional Women's Clubs. The China Dolls quartet of the local Sweet Adelines Chapter will join the Kern Desert BPW Club in launching their NBWW by providing entertainment at their Gold Plate Dinner next Monday, October 3, at 8 p.m. in the Hideaway.

Open House Highlight
Climax of weeklong festivities will be an Open House to be held in the Sweet Adelines Rowe St. Hut No. 203 on Saturday night, October 8 at 8 p.m. Guest speaker will be Judy Randall, Regent of the Sweet Adelines Region 11, and her quartet, the Keynotes. The Singing Sands chorus, the China Dolls, and the Dusty Four quartet—the local men's society—will be the evening with old fashioned favorites in barbershop harmony style. The program is designed to acquaint newcomers as well as chronic barbershop harmony lovers with the organization's purposes and objectives. Interested women may obtain additional information from members or membership chairman at Ext. 8-6577.

There's a revolutionary new vanishing cream deodorant. You put it on and the odor remains, but you disappear and no one knows where the smell is coming from.

Confidence is the feeling you have before you know better.

OCTOBER 2-8 IS NATIONAL "EMPLOY THE HANDICAPPED" WEEK!

ROCKETEER

Budd Gott, Editor Office, Housing Bldg., Top Deck Phones 71354, 72082, 71655

Vol. XVI, No. 38 U. S. Naval Ordnance Test Station, China Lake, California Friday September 30, 1960

7522 COPY DO NOT REMOVE FROM THE FILE

TEMPERATURES	
Max.	Min.
Sep. 23. 93	57
Sep. 24. 97	54
Sep. 25. 101	57
Sep. 26. 101	61
Sep. 27. 99	64
Sep. 28. 94	65
Sep. 29. 96	65

Station Assists Youth To Fire Rocket

IRE Group to Hear Patent Law Expert

The China Lake Section of the Institute of Radio Engineers will hear a discussion on patent law at their next meeting Tuesday, October 4, at 8 p.m. in Conference Room A of Michelson Laboratory. Guest speaker will be Peter H. Firsh, Head of the Patent Division at NOTS.

Prior to reporting as Patent Counsel to the Station last January, Firsh had been a career employee with 27 years of service. His last position had been with the Bureau of Naval Weapons in Washington, D. C., where he served as patent advisor to the Special Projects Office.

Firsh is a graduate of Drexel Institute of Technology, Philadelphia, Pa., and George Washington University Law School, Washington D. C.

During World War II, he served as Lieutenant Colonel with the Army in Panama, North Africa, and Europe as well as in the United States.

His background experience in the field of patents includes 13 years as a member of the U. S. Patent Office staff, and two years as patent advisor at NOL White Oak, Md., prior to his duty with the Special Projects Office.

The local IRE section has obtained Frank Goodwin of Fuze Research Laboratories to speak on



Peter H. Firsh

"MASER Amplifiers" with an emphasis on aircraft radar applications at their October 20 meeting.

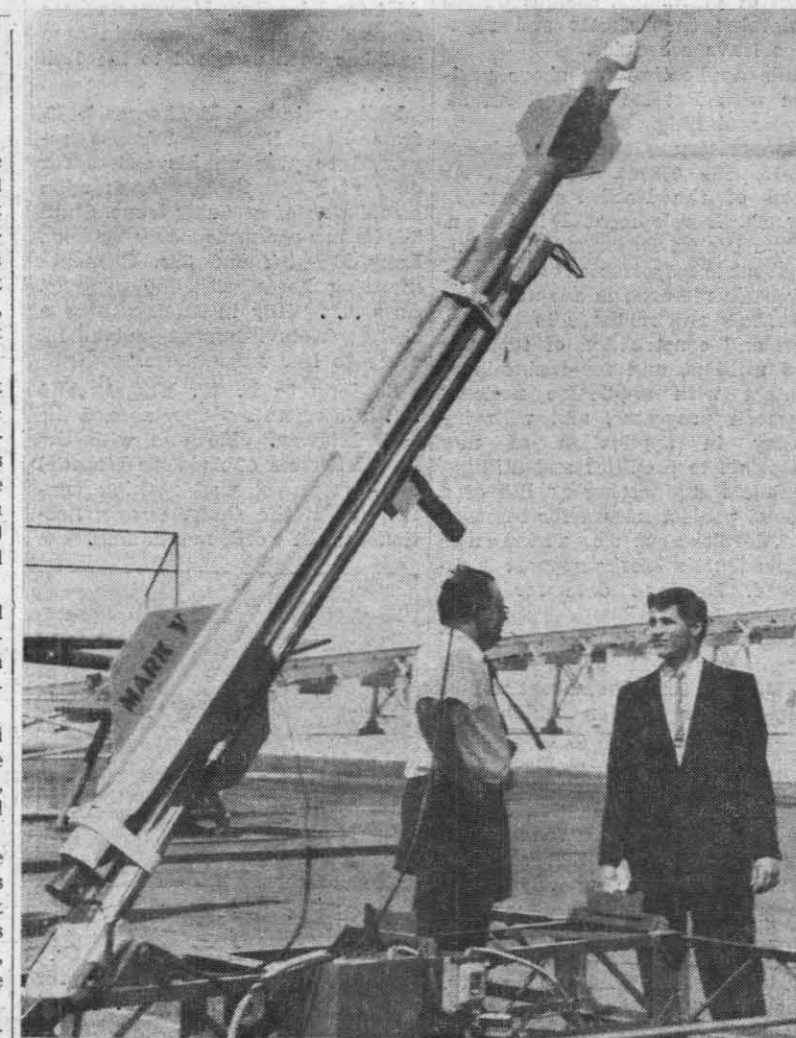
The October 28 meeting will feature John M. Dyer, National Vice President of IRE.

11ND Contract Let for NOTS Static Test Bldg.

A contract for the construction of the Static Test Complex, Increment No. 3, at this Station was approved by Capt. J. A. McHenry, CEC, USN, Officer in Charge of Construction and Eleventh Naval District Public Works Officer. The contract has been awarded to the Larsen-Ratto Construction Company of Fresno, for the bid price of \$363,000.

The work consists of a reinforced concrete test bay and terminal building; a multiplate corrugated steel cableway tunnel, and a pre-fabricated metal pump house with associated pumps and piping. Also included are earthwork, carpentry, hardware, painting, heating and air conditioning, sprinkler system, water lever, sewage facilities, electrical, cooling tower, and miscellaneous related work.

The OinCC is represented at the site by Capt. T. J. DuMont, Resident OinCC and Public Works Officer at NOTS.



WILL IT FLY?—Twenty-year-old Marshall Kriesel (r) discusses his missile with J. B. Hatcher, Honeywell-Minneapolis scientist, prior to firing time Wednesday. A pressurization leak blasted the young scientist's four-year dream of a successful launch, temporarily, at least.

Memorial Services Held For Marine Project Pilot

Memorial services were held Monday afternoon at the All Faith Chapel for Capt. Howard C. Casada Jr., USMC, who died in an airplane crash on Thursday of last week.

The 29-year-old flyer was on a routine Sidewinder project flight when his F104 Lockheed Starfighter crashed near the junction of the Mr. Wilson and Palmdale roads in the Angeles National Forest.

Capt. Casada reported aboard last November and served as project pilot and Asst. Experimental Officer for Guided Missiles to the Air-to-Air Weapons Division of the Weapons Development Department.

Prior to his China Lake assignment he was a project pilot for the Electronics Test Division at the Naval Air Test Center, Patuxent River, Md.

He is survived by his widow, Mary Ann, and a 15-month-old son, David Patrick, who live at 512-B Essex Circle, and by his father, Howard C. Casada, Sr., who lives in Norfolk, Va.



Capt. Howard C. Casada Jr.

Ten Cent Item Causes Failure, Will Try Again

The failure of a ten cent item blasted a 20-year-old scientist's five-year dream of seeing the successful launch of a rocket, Wednesday, in which he had invested five years of tedious work and \$3,500 earned from summer jobs.

"I'll try again on my Christmas vacation," Marshall Kriesel, the Minnesota youth told newsmen. "A ten-cent item caused this failure" he stated, referring to the malfunctioning pressurization valve which caused the sleek, 11-foot missile to burn itself out on the launching pad.

ONR Approved
The Office of Naval Research approved the use of the Station's facilities for the rocket firing. Project Engineers Dick Harris and Ed Simmons, of the Test Department, coordinated the necessary preparations required prior to the countdown.

Eugene Rutkowski from the Propulsion Development Department gave the university sophomore advisory assistance in the propellant field. Bob Blaise provided administrative liaison with the heavy concentration of details.

Kriesel conceived the rocket according to his own design which included a 1,000 lb. thrust rocket engine using highly volatile red fuming nitric acid and alliline as the propellant, guidance and control systems, telemetry, and a destruction mechanism. It passed the rigid scrutiny of Navy scientists who shattered precedent by permitting the firing and by scientists at the Minneapolis-Honeywell Regulator Co., who assisted Kriesel throughout his project.

Press Conference
Wednesday morning newsmen and photographers gathered at Michelson Laboratory for a press conference. Station commander, Capt. W. W. Hollister, officially opened the conference followed by a background resume of the student project by Bob Blaise, Kriesel

Background
The young scientist got the idea for his missile while in a science high school class at Owatonna, Minn. He spent three years studying rocketry, scrounging information from books, scientific pamphlets and all the data he could inveigle from laboratories, scientific firms and the military.

Kriesel, whom veteran Navy rocket experts, call "a dedicated scientist", two years ago enrolled as a freshman at Wartburg College, Iowa, but the strain of financing both his education and his missile was to tough.

"I decided to take a year off from school and finish the missile. It was a hard decision to make, but I think it has been worth it because of what I have learned."

Tomorrow, he will leave to begin his studies as a sophomore in engineering at the University of Minnesota.

A Minneapolis-Honeywell official said that the firm would retain Kriesel on the payroll as a part-time research engineer.

While continuing his studies in Minneapolis, he will work on advanced engineering projects under the supervision of a graduate research engineer.

"It is unusual," the company official said, "but so is Marshall."



THE PRESS — Newsmen representing the press, TV, radio, and magazines await the firing countdown.



NOTS FINEST—The Station's Color Company of Marines and Navy personnel drew much applause for their precision in last Saturday's 10th Desert Empire Parade. Shown are the Color Guard and the Enlisted Personnel Division platoon. Capt. W. C. Ashley Jr. commanded the Color Company.

Civic Concert Group Opens 1960 Membership Campaign

Dr. Ivar Highberg, President of the Board of Directors of the NOTS Civic Concert Association, this week announced the list of attractions for the 1960-61 concert season. He also announced October 1 as the starting date of the association's campaign to enroll new members.

Attractions of the coming season include the Festival Quartet, an awe-inspiring array of talent which includes violinists Szymon Goldberg and Niklai Graudan, violist William Primrose and pianist Victor Babin, and the Opera Workshop from UCLA under the direction of Natalie Linonick.

Other attractions include the duo piano team of Paul Badura-Skoda and Joerg Demus, the Solov Ballet Ensemble, directed by Metropolitan Opera choreographer Zachary Solov, and violinist Robert Gross.

The first concert of the season will be the October 25 appearance of soprano Saramac Endlich, Miss Endlich, one of the most important recent discoveries of the celebrated Berkshire Music Festival, is a young lady whose voice and musicianship, looks and personality have already marked her, while only in her middle twenties, as a star of the future.

A graduate of Ohio University and a voice pupil of Emmy Joseph and Winifred Cecil, the young soprano has worked in concert with the Boston Symphony Orchestra and has appeared in opera under Charles Munch, Boris Goldovsky and Hugh Ross. Her concert appearances throughout the country have won her the plaudits of the critics and a growing host of enthusiastic admirers.

Season memberships for the six concerts scheduled are available from the Board Directors, at \$8, \$10, and \$12 per person. Memberships are half price for students and service personnel.

Members of the Concert Association's Board of Directors are: Dr. Ivar Highberg, president; Dr. A. G. Hoyem, treasurer; Mrs. James F. McNeerney, secretary; Eldon Dunn, Warren Kirk, Mrs. Thelton Myers, and Stuart Robison of Trona.

Health Insurance Notes

Supplemental Benefits claim forms and information concerning the Health Benefits Plans should be obtained from the following addressees. Hospitals should provide forms needed for claiming Basic Benefits.

- GOVERNMENT-WIDE SERVICE BENEFIT PLAN (Blue Cross and Blue Shield)—Mr. M. A. McKay, Hospital Service of Southern California, 2819 "H" Street, Bakersfield.
- CALIFORNIA COUNTY MEDICAL SOCIETIES' FOUNDATION FOR MEDICAL CARE—(Kern and Tulare Counties) 2603 "G" Street, Bakersfield; (San Bernardino County) 1875 N. "D" Street, San Bernardino.
- GOVERNMENT-WIDE INDEMNITY BENEFIT PLAN (Aetna Life Insurance Co.)—(Kern County) Aetna Casualty & Surety Co., 360 22nd Street, Oakland 12; (San Bernardino County) Aetna Casualty & Surety Co., 2215 N. Broadway, Santa Ana.

The factor determining where you send your claim forms is the county in which you reside and not the county in which you were treated.

After one copy of the Indemnity Plan claims form, "(GO-2)", is submitted for any one member of the family, it is not necessary to submit another claims form with each additional claim for that particular member during the same calendar year. For subsequent claims for that member of the family, you need only send in an identification card and an itemized statement or receipt showing the date of services or the date supplies were received, the diagnosis, the name of the family member concerned, the name of the attending physician and the prescription number of drugs and medicines.

Employees who are on leave without pay, including those who are suspended or placed on leave without pay pending separation for cause, are eligible to continue coverage in this status for up to 365 days.

A copy of the master contract for each of the Health Benefit Plans in this region may be examined by employees at the Civil Service Director Appraiser's Office, 630 Sansome Street, San Francisco, California, or the Los Angeles Branch Office of the Civil Service Commission.

DOD Asks Cooperation For Handicapped Week

The week of October 2-8 has been designated "National Employ the Physically Handicapped Week" throughout the Nation and the Department of Defense, this country's largest employer of civilians, is again asking Armed Forces cooperation in encouraging job opportunities for qualified handicapped workers.

In observance of this proclamation, Secretary of Defense Thomas S. Gates states, "... by providing these citizens with a chance to support themselves and their families we are giving practical application to the basic American beliefs in human dignity."

"I urge all employers in the United States, who may in the past have hesitated to employ the physically handicapped to consider our successful experience and that of other major employers in the United States and actively join this effort."

Commemorative Stamp: Significantly, issuance of the commemorative four-cent stamp coincided with the Eighth World Congress of the International Society for the Welfare of Cripples, held in New York City. The President's Committee on

Promotional Opportunities

Current Station employees are encouraged to apply for the positions listed below. Applications should be accompanied by an up-to-date Form 58. The fact that positions are advertised here does not preclude the use of other means to fill these vacancies.

Police Supervisor, GS-6, PD 17291 and 17291-1, Code 8598. Two vacancies exist for position of Police Supervisor. Makes investigations of occurrences and arrests as necessary. Supervises the operations of patrolmen, assigns duties, maintains time sheets and regulates leave schedules.

File application for above position with Pat Dettling, Room 34, Personnel Bldg., Ext. 72032.

Supervisory General Engineer, GS-13, PD 070620, Code 703. As Head of the Facilities Research Branch, Development Division, Public Works Department, the incumbent is responsible for conducting basic research in adapting new materials and methods in the design and construction of facilities and utilities, and for maintaining contact with applicable national research programs, and with industry in application of new materials to facilities and utilities. Conducts engineering studies of a special project nature for research and development departments where Public Works support is required. Deadline date for filing October 7.

Supv. Mech. or Supv. General Engineer, GS-11 or GS-12, PD 18356, Code 5516. Incumbent will be employed in section which performs determination of mechanical properties of materials, mechanical evaluation of ordnance components and assemblies, evaluation of ordnance packaging, research in package materials and test methods. Deadline date October 7.

Supv. Mechanical Engineer, GS-13, PD 18394, Code 5516. Head, Environmental Eng. Sec., Eng. Evaluation Br., Quality Eng. Div., Engineering Dept. Supervising of evaluation of ordnance components under controlled, simulated environmental conditions as well as consultation with project engineers regarding the feasibility or advisability of performing such evaluations.

File application for above position with Pat Gaunt, Room 31, Personnel Bldg., Ext. 71393.

Clerk (Typing), GS-6, PD 18535 Aml, Code 177. Serves as secretary and clerical assistant in the Internal Review Division. Provides Staff support for liaison with outside survey and audit groups, processes survey and audit questionnaires and reports. Performs special assignments and provides secretarial and statistical typing services for the Division.

File application with Dixie Shanahan, Room 26, Ext. 72676.

Applications Open For Civil Service Student Trainees

Applications are now being accepted for Student Trainee positions from students who are enrolled in the 1960-61 school year, according to a release from Bernard Rosen, Director, 12th U. S. Civil Service Region.

Student Trainee positions, paying from \$67 to \$77 a week, offer high school seniors and college students an opportunity to combine their college study with training on the job in one of two types of programs.

In the vacation work-study program, students attend college during the entire scholastic year and work in a Federal agency during the vacation periods. In cooperating work-study programs, students alternate their college study and work periods during the entire year.

Jobs to be filled in California and Nevada and certain other western states are in such fields as engineering, physical science, mathematics, agriculture and other technical fields.

Further information about Student Trainee positions may be obtained from the 12th Regional Office, 630 Sansome Street, San Francisco 521, or from Eloise Buck, Code

Station Crew's News

In preparation for the first meeting of the Enlisted Improvement Council, members are reminded that this is an informal panel set up to review problems which affect morale and welfare... this council is, therefore, established for your benefit.

Division representatives must be well informed of any exigencies so that they may be presented at this meeting. Subjects discussed will be judged on merit, and priority action will be considered. If need be, action will be referred to the attention of higher echelon. Coordinating the panel will be the Enlisted Personnel Executive Officer and the Commanding Officer will preside. Calderon, YN2, will record.

Welcome aboard to **W. E. Hughes, AK1** (and family). He reports from shore duty in the Wisconsin area and has been assigned to the 12th Div.

Hello again to **A. E. Thomas, BMS**, from Boat Detail. Thomas returned to pick up his orders for duty at Naval Station Adak upon completion of a 30-day leave. Since '58, he has performed duty between Long Beach and San Clemente manning boats with the projects. Says "... duty in Adak will be a change in environment—maybe I'll come to like snow shoes."

So long to **F. W. Yingst, AK1**... he's off to sea duty aboard the USS Midway. He was with the AOCIP Section of Aviation Material and performed well making contacts with the Coast Supply Section—a feat worth mentioning.

Following his enlistment in the Navy 16 years ago, Lcdr. McArdle attended Gonzaga University one year followed by 18 months of flight training at Pensacola.

He and his wife, Barbara Jo, and their four daughters have been assigned quarters at 500-B Saratoga. Ensign Beauchamp is a graduate of Xavier University and more recently from the Naval Justice School. He also attended Air Ground Officer School at Jacksonville, Florida, and OCS, Newport, R. I. He and his wife, Barbara, will live at 51-B Ringgold.

Nurse Position Open At Station Hospital
The Personnel Department has announced that a position for Staff Nurse (WAE), GS-5, \$4345 per annum, is currently available with the NOTS Medical Department. Applications will be accepted from anyone meeting the following requirements: a full 3-year course in residence in approved school of nursing; or a full 2-year course in residence in approved school, plus a year's additional nursing experience or education.

GMU-25 Reports
The Unit welcomes Fortier, SK2, from Camp Elliot in San Diego where he has worked in the Supply Department. His presence is of particular interest to Joe Vigil, SK1, who, after four attempts by the bureau, finally has a qualified relief aboard.

Congratulations to Byron, GS2, from the USS Camberra (CAG-2). In addition to acquiring a new duty station, he also acquired a bride prior to reporting here.

Eleventh Division deer hunters did not come up to their expectations on their last outing—at least that's the story we heard.

NOTS Safety Score

Disabling Work Injuries	To	Date
China Lake	22	12
Pasadena	5	6
San Clemente	6	6
	33	24

Red Cross Life Saving Class to Start Tuesday

A Red Cross Senior Life Saving course is scheduled to start at 6 p.m. next Tuesday, October 4, at the Station Pool. Instructors will be Marilyn Gossett and Gary Foulger. Classes will be held on Tuesdays and Thursdays from 6 to 8 p.m. during the 17-hour course. Applicants must be 16 years of age or older and have some swimming ability. For further information, call Carol Chatterton, Red Cross Water Safety Chairman, at Ext. 724094.



Sipin

Two NAF Officers Report Aboard

Lcdr. Robert P. McArdle reports to the Naval Air Facility as Project Pilot in the Operations Department. Ensign Sidney H. Beauchamp Jr. has been designated as Legal Officer with collateral duties as Assistant Personnel Officer.

Lcdr. McArdle reports from nearly two years at the University of Washington where he obtained a B. A. degree in mathematics as part of the Five-Term Program for officers. He previously attended the U.S. Naval Postgraduate School at Monterey for nearly one year.

Following his enlistment in the Navy 16 years ago, Lcdr. McArdle attended Gonzaga University one year followed by 18 months of flight training at Pensacola.

He and his wife, Barbara, will live at 51-B Ringgold.



Givens



Baker

Career man, **J. M. Givens, CS2**, with 13 years service, signed up for another six-year hitch... and **Wallace E. Baker, CSC**, who although eligible for transfer to the Fleet Reserve, upped for an additional four years. Congratulations!

R. K. Dickson, RMI, advanced to P2 and now leaves NOTS for a course in the Crypto School at MINS Vallejo... we might add "in preparation for the CPO exams."

Dickson was assigned duty with the 2nd Div. in 1958... our sincere wishes for success in your studies.

We lost **H. E. Gilcrease, HN**... been with the Station Hospital since Feb. '59. He will report to the USS Ticonderoga for sea duty upon return from a 15-day leave.

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A Red Cross Senior Life Saving course is scheduled to start at 6 p.m. next Tuesday, October 4, at the Station Pool. Instructors will be Marilyn Gossett and Gary Foulger. Classes will be held on Tuesdays and Thursdays from 6 to 8 p.m. during the 17-hour course. Applicants must be 16 years of age or older and have some swimming ability. For further information, call Carol Chatterton, Red Cross Water Safety Chairman, at Ext. 724094.

What's Doing IN RECREATION

By Jean Cone, Recreation Director

The Adult Station Dance to be held at the Community Center on October 7 will feature the 18-piece ComCruDes-Pac band from San Diego. All Station personnel 21 and over are invited to attend. Dancing will start at 9 p.m. There will be no admission charge for women. Admission for men is \$1.

Reservations can be made for groups of 8 or more by calling the Community Center, Ext. 72010. These reserved tables will be held until 9:30 p.m.

China Lake Film Society
On October 3, the China Lake Film Society will begin its 1960-61 season. The first film of the new season will be "Patner Panshall," a story of a Brahman family in India. There will be English subtitles for the Hindu dialogue. The film will be shown on October 3 and 4 at the Community Center starting at 8 p.m.

This season's program includes many foreign-produced films; one Indian, two British, two German, two French and one French-Italian. Also included are a documentary and an experimental film. Stories range from the tragic to the comical and from seriousness to farce.

The season will be composed of two parts. The first half will include the showing of October 3 and 4 through January 30 and \$1. The second half will begin February 6 and 7 and continue on through June.

Full season tickets are priced at \$5. Half season, \$3. Tickets may be purchased from Film Society members or at the Community Center before any showing.

Model Plane Club
The Alkali Angels model plane Club will meet the third Monday of each month at NOTS hobby shop. The first meeting at this location will be on October 17. Free flight, U-cou, radio control, rubber band, and glider planes will be featured. Anyone interested in model planes is invited to attend the meetings and participate in this popular hobby. Assistance will be given those needing help. For further information contact Audie Ball, Ext. 8417.

Meet Your Community Councilmen ...

This is the seventh in a series of personality sketches on your Community Council directors. Featured this week are the two representatives from Precinct No. 6, Richard A. Frederick and Leo J. Kielman.

Richard A. Frederick, a mathematician with Test Department, is President of the China Lake Community Council. He has been in NOTS for five years and lives at 200-A Bard with his wife, Barbara, and their two 3 and 1-year-old sons. Frederick was living in Precinct 6

at the time of his election. He is a native of Columbus, Ohio, but lived in Tucson, Arizona, for nine years before coming to California. Other Community Council committees on which he serves are Civil Affairs, Civil Defense, Rabies Control, Ways and Means, and chairman of the FM Booster committee. He is a member of the Society of Photographic Instrumentation Engineers, a past chairman of the Test Department Employee Council, and past chairman of the Test Department Recreation Committee. Tennis and photography are his pet hobbies.

Frederick believes the Council has a great future if the people of the community will realize that it can help them. He adds: "I hope that in the coming year we can work closer with Command and the people of the community to improve China Lake and make it a better place in which to live."

Leo J. Kielman came to China Lake 16 years ago and lives at 103-A Groves with his wife, Jeanne, and two daughters age 10 and 12. He is a mechanical engineer in Weapons Development Department.

Kielman attended the University of Arizona, and is a member of the American Society of Mechanical Engineers. In Community Council, he is the chairman of the Medical Services committee. His favorite recreation is hunting, fishing, gardening and model making.

Lincoln was the tallest president, standing 6 feet, 4 inches; Madison, at 5 feet, 4 inches, was the shortest. Money is not required to buy one necessity of the soul.—Thoreau.

SHOWBOAT

TODAY SEPT. 30
"ALL THE FINE YOUNG CANNIBALS" (122 Min.)
Robert Wagner, Natalie Wood
6 and 8:15 p.m.
(Drama) Highly dramatic entry of entangled lovers. She runs off and marries another. He becomes New York trumpet star. They meet again—but intricate characterization fills the interval of this tale of young love. Adults-Young People

SATURDAY OCT. 1
MATINEE
"PAWNEE" (80 Min.)
SHORTS: "There They Go" (7 Min.)
"King of the Congo" No. 3 (16 Min.)
1 p.m.
EVENING
"WONDERFUL COUNTRY" (98 Min.)
Robert Mitchum, Julie London
6 and 8 p.m.
(Western-Drama) American pilot who for Mexican bandits is sent to Texas to buy contraband arms. He is injured and the arms are hijacked. Good show from powerful novel. Adults-Young People
SHORTS: "Turning the Tables" (7 Min.)

SUN.-MON. OCT. 2-3
"WILD RIVER" (111 Min.)
Montgomery Clift, Lee Remick
6 and 8 p.m.
(Drama) A lone holdout, refusing to sell, holds up a huge TVA dam project. Young representative tries to get her lease and falls for granddaughter. He hires her help and the town turns on him. Violence and passion of 1933 and the New Deal. Adults
SHORTS: "Fuddy Duddy Buddy" (7 Min.)

TUES.-WED. OCT. 4-5
"THE BELLOWS" (72 Min.)
Jerry Lewis
6 and 8 p.m.
(Comedy) In his zeal to become an efficient bellows, poor ol' Jerry fouls up the swankiest hotel in Miami, ruins a tournament for Cary Middlecoff, and winds up in a jet. Just pure slapstick! Adults-Young People
SHORTS: "Candida Miles" No. 3-1 (10 Min.)
"Carnival in Quebec" (16 Min.)

THURS.-FRI. OCT. 6-7
"13 GHOSTS" (84 Min.)
Charles Herbert, Jo Morrow
7 p.m.
(Horror) Only with special glasses can you see the ghosts in the haunted house inhabited by a museum official who, because of low income, is forced to live there. With out these glasses you won't see the 13 ghosts that try to run him out. Adults-Young People
SHORTS: "Pete Honthead" (7 Min.)
"Heebie Jeebies" (16 Min.)

HOBBY SHOP
The NOTS Hobby Shop will be closed October 3 - 10 for inventory and audit.

Little League Assoc. Names New Board

Election of officers for the China Lake Little League Baseball Association for 1960-61 took place Tuesday night at their annual meeting.

New officers are: Bob Freedman who was re-elected as President; Don Duckworth, A League Vice President; Bob Clapp; AA League Vice President; Al Flood, AAA League Vice President. Jean Rollingson was elected Secretary; and Dixie Shanahan, Treasurer.

Navy Exchange Toyland Opens Next Monday

Ribbon-cutting ceremonies at 10 a.m. on Monday, October 3, will officially open Toyland for the 1960 season at the same location as last year—the southeast wing of the Station Restaurant building.

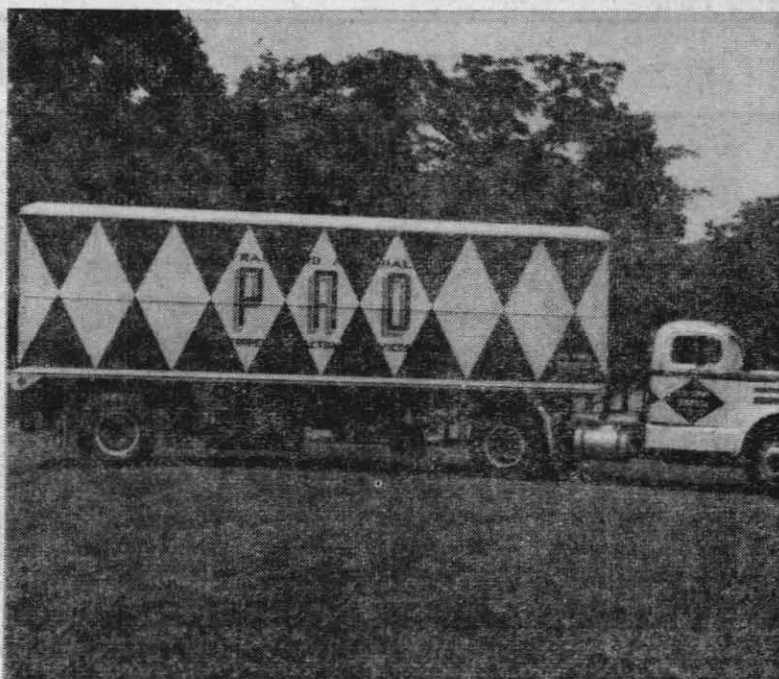
Featuring a wide selection of well known brands of toys, the Navy Exchange Toyland will be open from 10 a.m. to 6 p.m. Mondays through Fridays; and from 9 a.m. to 1 p.m. on Saturdays.

Jewish High Holy Days

The NOTS Hebrew Congregation will observe the Kol Nidre with special services on Friday at 8 p.m. in the East Wing of the NOTS All Faith Chapel.

Yom Kippur services will begin on Saturday at 10 a.m., and continue through the day, with a special service for children from 1 to 2 p.m.

Yom Kippur, one of the high religious holidays of the Hebrews, is a day of fasting and atonement. At 6:30 p.m. Saturday, a "break fast" dinner will be held, to end the religious observance.



PAD—U.S. Army Ordnance traveling van of Propellant Actuated Devices.

National Mission Effort U. S. Army Ordnance to Exhibit Propellant Actuated Devices Here

A mobile exhibit of Propellant Actuated Devices from the U. S. Army Ordnance Frankford Arsenal of Philadelphia, Pa., will be located for viewing at the main entrance of Michelson Laboratory next Wednesday, October 5, from 9 a.m. to 3 p.m.

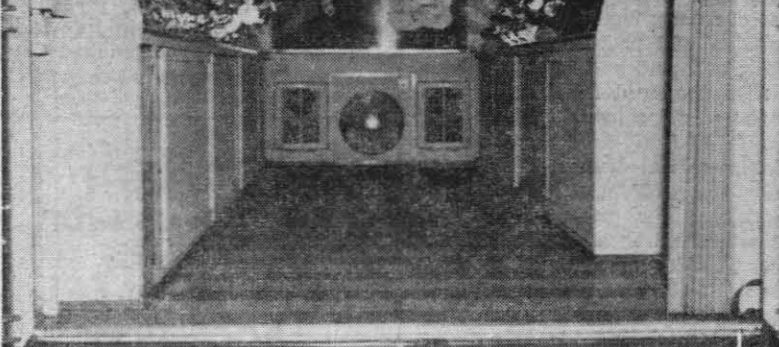
This exhibit will consist of sectioned devices and pictorial presentations of concepts and applications of such devices as catapults, thrusters, gas generators, initiators, cable cutters, ignition elements, spin motors, etc.

Originally, these devices were developed for aircrew escape systems in highspeed aircraft. Other applications, since discovered, show considerable promise for use in missile, space, and nuclear fields. Qualified scientists and engineers will be available to explain these devices.

According to U. S. Army Ordnance officials, recent experiences during liaison visits to other government installations indicated that these installations are not acquainted with the Ordnance Corps' role, nor its background and knowledge in the development of Propellant Actuated Devices.

This unfortunate situation has caused duplication of development projects and waste of professional talent.

As part of their National Mission to disseminate information on the state-of-the-art for these devices, a mobile exhibit has been assembled for the purpose of touring appropriate government facilities. If further information is desired, contact Code 2834, Exe. 71516.



INTERIOR—Technical exhibits are neatly displayed in custombuilt van.

Fire Branch Conduct Meetings...

Fire Branch personnel, working in groups of two, will conduct a month-long house inspection program aimed at eliminating fire hazards in the home. In order to insure effective results, residents are urged to cooperate with this planned operation.

Each inspection shall not exceed fifteen minutes. Inspectors will examine the property for the following: rubbish collection, weed accumulation, scrap lumber storage, general condition and arrangement of heating and electrical fixtures, storage of flammables, and exit facilities.

All fire hazards observed will be recorded and the tenant will be informed of the necessary corrective measures. If the fire inspectors are refused admittance or if the tenant is not available, the circumstances will also be recorded and a copy of the folder "There's no place like HOME for FIRE" will be left at the residence.

Book of the Week
Thomas Wolfe, a biography by Elizabeth Nowell. An affectionate and detailed biography of one of the great literary figures of this century, written by his literary agent and close friend.

