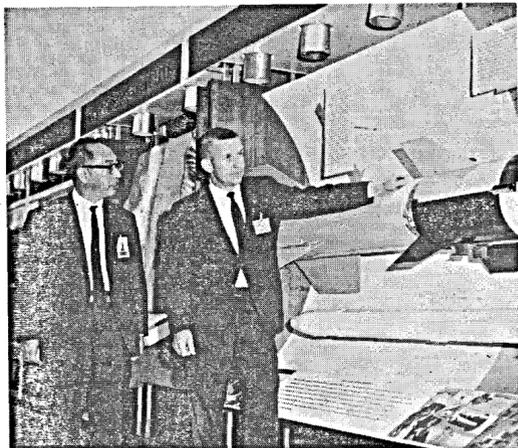


Hal Holbrook Opens Concert Season Tuesday



JAPANESE SCIENTIST VISITS—Dr. Naichi Inoue from Hokkaido University shows rapt interest as Will Forman points out ASROC missile during noted scientist's visit here. Dr. Inoue met with local underwater research scientists. The doctor heads up Japan's underwater research program.

Dinner Planned By French Club

The "Cercle de Langue Francaise" will have a dinner meeting on Thursday November 18, in the Executive Dining Room of the Commissioned Officers Club, at 7 p.m. The program will feature Michel Vernon-Cole reading selections of French poetry. Members and their guests who plan to attend should contact Mrs. Robert Stirton, ext. 77524.

SHOWBOAT

FRI. Nov. 12
"THE FAMILY JEWELS" (100 Min.)
 Donna Butterworth, Jerry Lewis
 7 p.m.
 (Comedy in color) A nine year old orphan girl inherits \$30 million and must stay two weeks with each of her six uncles to decide her favorite—and Jerry is each Uncle! It's a one man show with Zany Jerry and laughs galore. (Adults, Youth and Children.)
SHORT: "A Leak in the Dike" (7 Min.)

SAT. NOV. 13
—MATINEE—
"STRANGER ON HORSEBACK" (66 Min.)
 Joel McCrea
 1 p.m.
SHORTS: "Tom & Jerry in The Hollywood Bowl" (7 Min.)
"Rocker Man" (13 Min.)
—EVENING—
"RAMPAGE" (98 Min.)
 Robert Mitchum, Elsa Martinelli
 7 p.m.
 (Adventure in color) When a big game trapper, a zoo director, and a pretty woman go on a safari to capture a tiger-leopard there's bound to be suspense and action. The incompatible chemistry of two men and a pretty girl plus a wild beast.
SHORT: "When Fish Fight" (10 Min.)

SUN.-MON. NOV. 14-15
"SABOTEUR—MORITURI" (123 Min.)
 Marlon Brando, Yul Brynner
 7 p.m.
 (Sea-War/Drama) Anti-Nazi is forced, by the Germans, on a mission to destroy or capture a cargo of rubber on a ship commanded by Yul. A better picture than the title, it's filled with suspense and furious action of WWII. Don't miss! (Adult.)

TUES. NOV. 16
"MARK TWAIN TONIGHT"
 Hal Holbrook
 8 p.m.

In 'Evening With Mark Twain' Capturing Best of U.S. Humorist

The China Lake Civic Concert Association opens its 1965-66 season Tuesday, November 16 at 8:15 p.m. at the Station Theater with Hal Holbrook presenting "Mark Twain Tonight."

The house lights will dim and the stage is transformed into a scene reminiscent of grandmother's parlor. There is a high old-fashioned lectern, an upholstered arm chair, and a table piled with books and a cut-glass water pitcher. Into this setting comes a white-haired spry humorist dressed in a white suit. His voice is cracked but when he speaks the evening becomes alive with Twain's wit and plunging satire.



HAL HOLBROOK
 Humorist

Concertgoers will be amazed at how timeless Twain's humor and comments about the world in general are. They will note that what Twain observed in his day is still being observed today.

Holbrook has been a Twain buff since his college days. Twain's autobiography, his speeches and his writings have all been culled for material by Holbrook.

Although he is only thirty-four, Hal Holbrook has been seen in practically every large city and college campus in this country. He has toured Europe with success and recorded highlights of his Twain presentation on two top-selling Columbia LP's.

Recently he has completed filming his role in the movie "The Group." He also has become a member of the new Lincoln Center Repertory Theater in New York.

In his performance of Twain, the artist gives a short selection from Huckleberry Finn who was Twain's best-known creation. There are also tall tales, a ghost story, and pungent remarks. Time magazine sums Hal Holbrook's performance of Twain as "pungently wise...upprisingly funny." The Associated Press

says "The critics went wild." Persons who do not have season tickets and who would like to attend this particular concert are urged to call Ext. 724231 to place their names on a waiting list.

Season ticket holders who will be unable to attend this concert because of other commitments, illness, and travel are urged to turn in their tickets for this performance by calling 724231.

As tickets are turned in the Concert Association resells them to those on the waiting list. H. L. Bagge, treasurer, notes that there are on an average about twenty seats for each performance that are made available because season ticket holders find they will be unable to attend a particular concert.

The Concert Association places the proceeds from these resales in its treasury for future concerts. Tickets for individual concerts resold in this fashion are priced at \$3, \$4, and \$5, depending on location in the Station Theater.

The China Lake Civic Concert presents Hal Holbrook in "Mark Twain Tonight" as the 1965-66 concert season opener. Holbrook has culled Twain's speeches, autobiography, and stories, and recreates the personality of Mark Twain with humor and wisdom welded together.

WED. NOV. 17
"ZEBRA IN THE KITCHEN" (92 Min.)
 Jay North, Martin Miller
 6 and 8:15 p.m.
 (Comedy/Drama in color) A teenager's family moves from the ranch to a city home and Junior's pet mountain lion must go to the zoo. The youngster's sympathy toward animals makes a bedlam of the town and a comic disaster. (Adults, youth and Children.)
SHORTS: "Polka Dot Puss" (7 Min.)
"Olympic Champ" (7 Min.)

THURS.-FRI. NOV. 18-19
"THE THIRD DAY" (199 Min.)
 George Peppard, Elizabeth Ashley
 7 p.m.
 (Mystery/Drama in color) Car wreck amnesia victim has to become reacquainted with his wife, save a floundering business and clear himself of a murder charge in this unusual drama. Slow starting but with a slam-bang finish! (Adult.)

1965's Election Set for COM Advisory Group

The annual Election of new members to the Advisory Group of the Commissioned Officers Mess (Open) is scheduled for Monday, November 15, at the Mess. Nominations from the floor are to be accepted from 7:30 to 8 p.m., and the first ballot is set for 8 p.m.

Nominees to the Advisory Group are J. L. Cox, LCDR. J. P. Crowder, F. W. Fletcher, D. R. Hewitt, Capt. R. E. Jensen, J. H. McGlothlin, F. M. Nathan, Cdr. J. H. Robcke, E. S. Romero, R. P. Schwarzbach, M. B. Sorge and Lt. W. E. Turley.

Elected new members will join the Advisory Group in the twenty-second year of the Open Mess. The activity first went into operation at China Lake in mid-October, 1944.



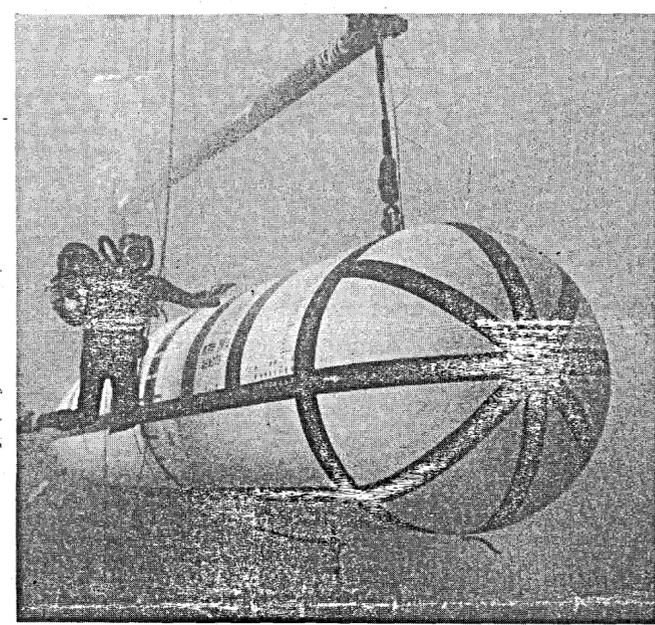
RELINQUISHES JOB — Lt. J. D. Conway, left, turns over an outside soup ladle to Lt. (jg) W.A. Hard, new Subsistence and Small Stores Officer. Lt. Conway has been assigned Aviation Supply Officer duties.

NOTS FROM UNDER THE SEA TO THE STARS

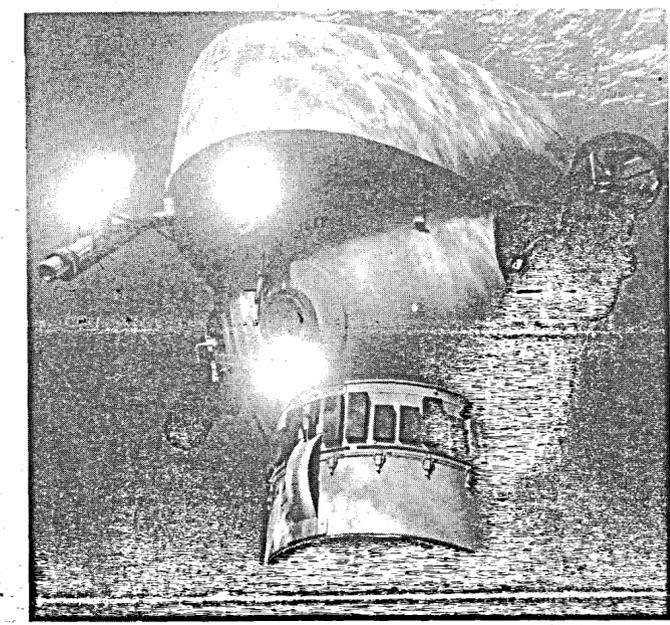
Vol. XX, No. 45 Naval Ordnance Test Station, China Lake, California Fri., Nov. 12, 1965

THOMPSON
 AWARD WINNERS'
 STORY ON
 PAGE 3

Moray, Deep Jeep Unveiled



MORAY AND COMPANION—As vehicle is lowered off San Clemente Is. for manned tethered tests, diver prepares to shoot documentary film.



DEEP JEEP DESCENDS—Lights gleam on bowsprit below window port, in overhead float, and on TV camera boom, in tests near San Clemente Island.

Submersibles Garner Two Firsts for Navy Oceanographic Study

Years of NOTS design and development work in deep-sea research vehicles has brought the United States Navy a double "first" with the unveiling this week of two-man vehicles dubbed "Deep Jeep" and "Moray," at the Pasadena Laboratories. They are the first ever designed, built and tested for manned deep-sea oceanographic operations by the U.S. Navy. Newsmen viewed films and heard a presentation on Deep Jeep and Moray on Monday, November 8, by Dr. William B. McLean, NOTS Technical Director. The paths followed by Deep Jeep and Moray from the idea stage to working models are different, as are their outside appearances. Moray, looking like a giant-size torpedo, began taking shape in the late 1950's, reaching its approximate present configuration and specifications as the sixties progressed. It came under the hand of Leroy Rigs, head of Weapons Development Department's Aeromechanics Division, in 1960, where it was brought to the stage of early immersed trials. The Moray project was jointly conceived and recommended by the West Coast ASW Laboratories, consisting of the Naval Ordnance Test Station, Naval Electronics Lab-

Dr. McLean Is Honored With \$10,000 Rockefeller Award

Another milestone in distinguished honors and awards was added to the career record of Dr. William B. McLean, Station Technical Director, this week as he was named as winner of the \$10,000 Rockefeller Public Service Award for Science, Technology, and Engineering. This is the sixth high honor conferred on the 51-year-old director in less than 10 years and the second in a monetary award, exceeded only by the maximum Federal Government Award of \$25,000 for the development of the Sidewinder air-to-air missile in 1956. This led to the conferring of a special gold medal in 1958 by then-president Dwight D. Eisenhower to him in the Cabinet Room of the White House for Distinguished Federal Civilian Service. Use for Undersea Research Dr. McLean revealed this week that he would use the \$10,000 award to explore his personal interest and ideas in undersea technology. He believes that exploration of the ocean is of great national importance for both political and economic reasons. Just back from an inspection trip to LaSpezia, Italy, to view a NATO underwater laboratory, and a conference on anti-submarine warfare in Dobbs Ferry, N.Y., Dr. McLean explained there is a real need for an oceanographic vessel that would be easy to handle (Continued on Page 3)



DR. WILLIAM B. McLEAN
 ... briefs newsmen on Moray and Deep Jeep

Answer to Previous Puzzle

CROSSWORD PUZZLE

ACROSS

- Snake
- Hurry
- Sick
- Through
- Wing-
- shaped
- Born
- Golf mound
- Fiber plant
- Large cask
- Vigor
- Armed band
- Quarrel
- Dance step
- Actual being
- Organ of hearing
- Chicken
- Man's name
- Takes one's part
- Pardon
- Man's name
- Be ill
- Tibetan gazelle
- Tidy
- Nahoor sheep
- Workman
- Trials
- Consume
- Sign of zodiac
- Force
- Doctrine
- Be mistaken
- Fragrant oleoresin
- New Deal agency (init.)
- Abstract being
- Brief
- Short sleep

DOWN

- Likely
- Bishopric
- Liar
- Damage
- A state (abbr.)
- Chinese boat
- Groups of threes
- Organs of sight
- Probe
- Meadow
- Allow
- Pronoun
- Appear
- Compass point
- Out of date
- Footlike part
- Surgical
- Thread
- Teutonic deity
- Pronoun
- Swordsmen's dummy stake
- Tropical fruit
- intet
- Preposition
- Reply
- Paid notice
- Scarf
- Exclamation
- Barracuda
- Great Lake
- Confederate general
- Sea eagle
- Printer's -measure (pl.)
- Resort
- Chart

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From _____

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TO _____

Two Submersibles Undergo Testing, 'Fly' In Ocean Depths

Deep Jeep Joins Moray in NOTS Ocean Studies

(Continued from Page 1)

ments are from aircraft, and have been combined to enable the crew to pre-set a desired course and heading, which Moray will then follow.

Moray has been tested to a

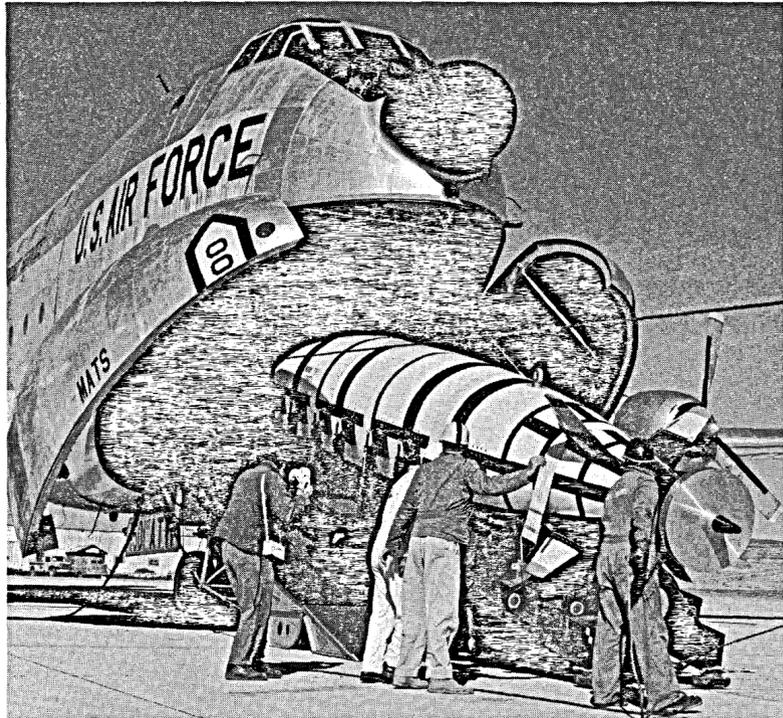
depth of 2,000 feet to date. At recent diving tests at Wilson Cove, San Clemente Island, the system was shown to warrant yet further exploration in the field of deep ocean systems research for which it was designed.

The current task set out so far for Moray to accomplish is the location, identification and classification of underwater objects, with the aid of development in underwater television, radio communica-

MORAY

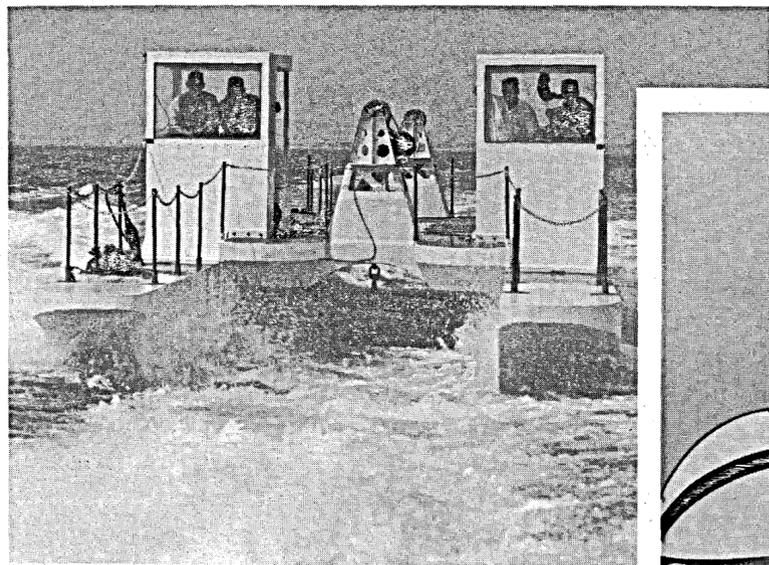
tions, sonar and sound localization techniques.

Among its other salient characteristics, it is the first submersible to demonstrate the feasibility of a positively buoyant design. Moray is built of stiffened fiberglass, and is

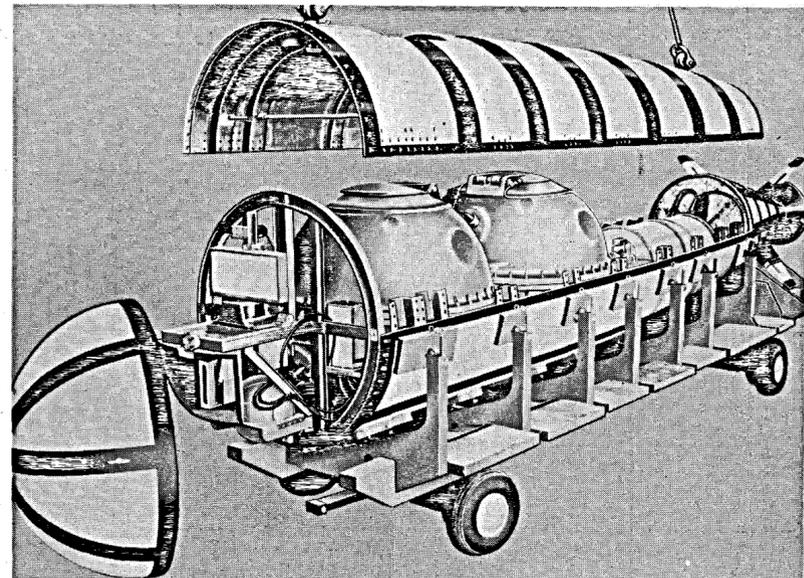


TO GO DOWN, GO UP — Handlers ease Moray into Globemaster's bay for flight to San Clemente Is. from NAF, for first sea-

water tests. Truck met Moray at San Clemente for trip to Wilson's Cove dive site, and its first saltwater trials.



UNIQUE CATAMARAN (above), pushed by two 100-HP outboard motors, was made at NOTS China Lake's Engineering Dept., Components Sec., to handle Moray at sea. Hulls are of polyurethane foam wrapped in resin-coated glass cloth. **MORAY MODEL** (right) shows aluminum crew sphere (fore) and instrument sphere (aft). Upper hull comes away to increase Moray's utility as laboratory equipment.



DONALD K. MOORE
Moray Project



WORLD OF POSSIBILITIES—Capt. John I. Hardy, Com-NOTS, reviews Moray and Deep Jeep progress with Dr. W. B. McLean, Technical Director and Rockefeller awardee.

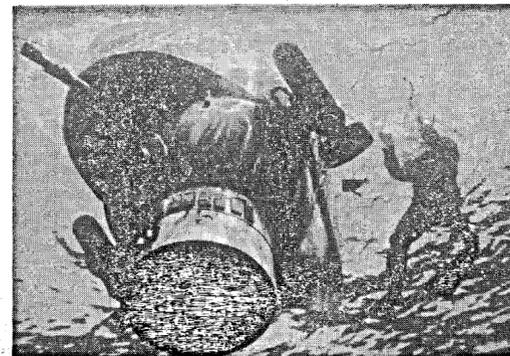
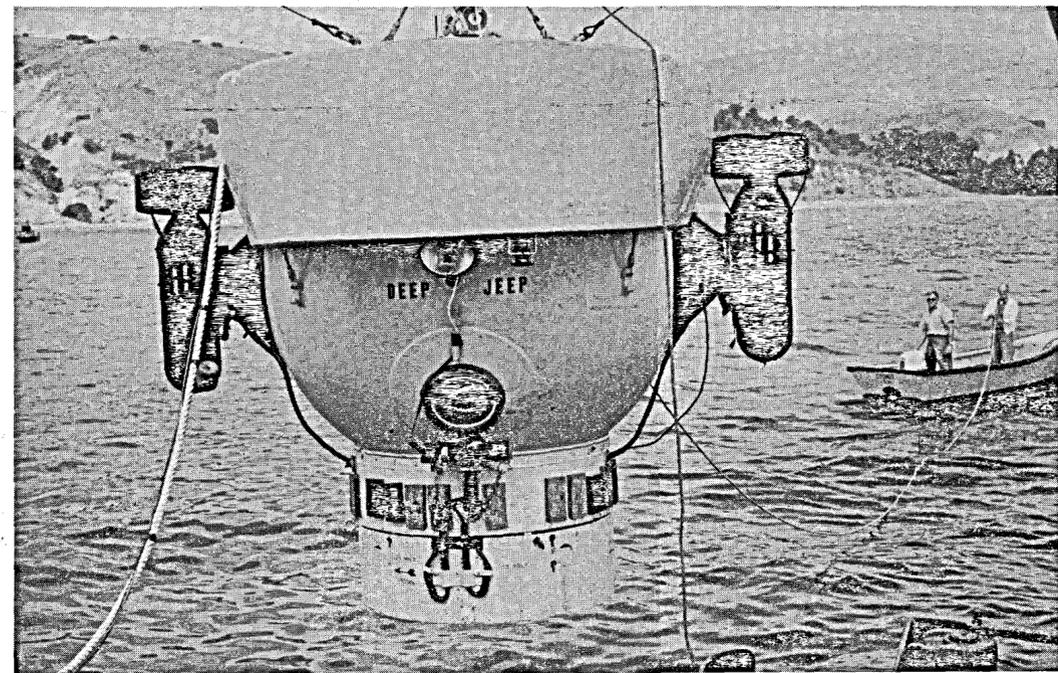


WILLIS R. FORMAN
Deep Jeep Project



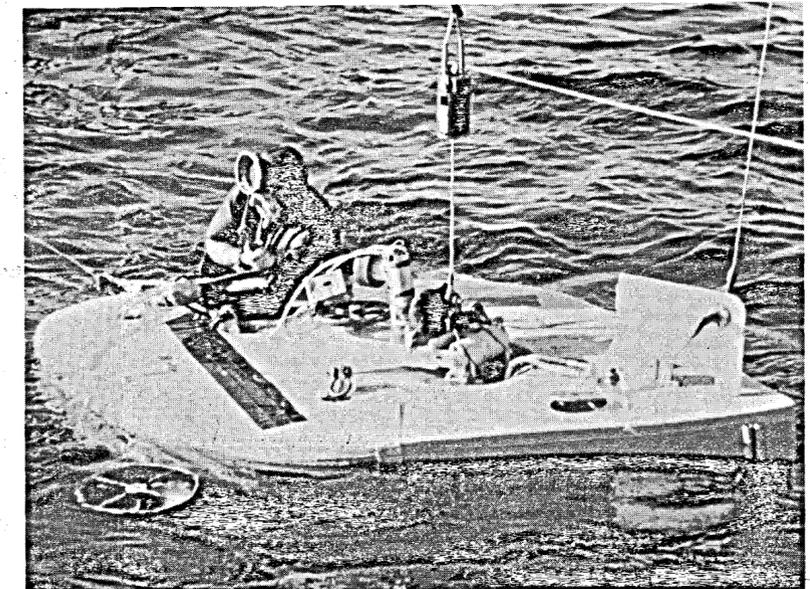
PROJECT MEN CONFER — Franklin H. Knemeyer (left), head of Weapons Development Dept., indicates phase of Moray TV-IA systems checkout to Leroy L. Doig, Assoc., and Leroy Riggs, head of Aeromechanics Div.

EASY DOES IT — Deep Jeep is gently lowered from General Motors' "Swan," guided by crew members in boat.



READY TO GO — Diver clears Deep Jeep before dive. Motors and ejectable steel weights are visible.

DEEP JEEP



DIVE APPROACHES—Navy diver prepares to remove lines from Deep Jeep as first American-built deep-diving vehicle stands by for its first manned dive near San Clemente Is. Deep in Jeep's innards, developer Willis Forman, piloting, with LCdr. Philip Johnson, co-pilot, took it down 1,100 feet.

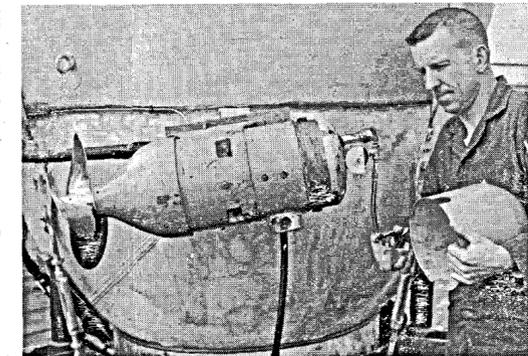
"flown" through the water. Will Forman, of the Engineering Department has been both the chief idea man and project engineer behind development of Deep Jeep, the rugged-looking two-man submersible that is so true to its name.

The spherical steel vehicle was formally launched by NOTS at Rincon Pier near Santa Barbara on January 21, 1964. Deep Jeep is five feet in diameter, weighs four tons, and has demonstrated its ability to cruise at up to two knots at a depth of 2,000 feet, with precise maneuvering and hovering control. Its designed submerged time is from four to six hours.

Deep Jeep's two outboard electric motors, each immersed in oil, are powered by eight deep-charge batteries.

Will Forman himself operated the vehicle in development test runs in the ocean off San Clemente, Santa Cruz and Anacapa islands following its construction in 1963. It was found well suited to such diverse missions as recovery of ordnance hardware at the bottom of underwater ranges, and the exploration of underwater canyons at greater depths and more extensively than before.

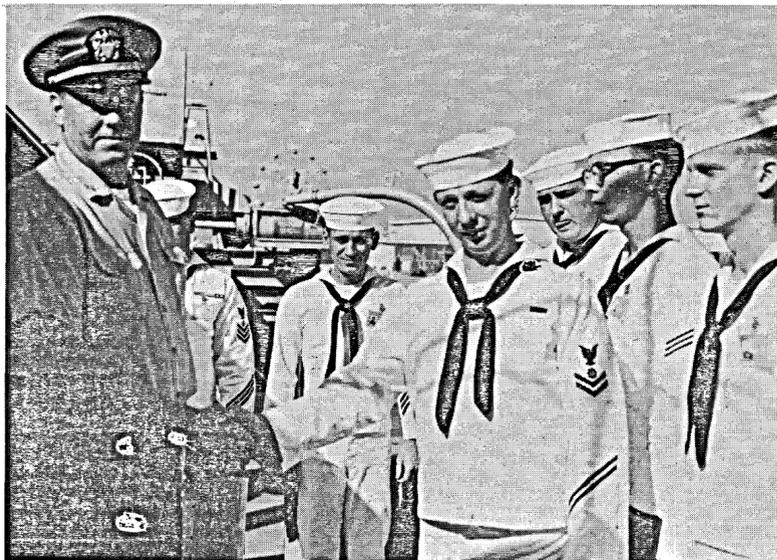
Assisting NOTS in early evaluation and in current testing have been the Southwest Institute of San Antonio, Texas, and the General Motors facility at Santa Barbara.



FLOODING MOTOR—Will Forman, project manager, floods Deep Jeep motor with oil before dive at Santa Barbara.

NOTS Pasadena

VIRGINIA E. LIBBY — EXT. 638



FLANKED BY SHIPMATES, James R. Sutton, Engineman Second Class, shipping over for six (center), is congratulated by Lt. W. R. Watkins, Long Beach Sea Range Officer.

Ships for Six

James Roscoe Sutton, Engineman Second Class with the NOTS Long Beach Sea Range, recently reenlisted for six years. Sutton, who is presently Chief Engineer aboard NOTS YFU-53, previously served with COMINDIV 113, aboard the USS Pivot (MSO-463), and the USS Illusive (MSO-448), before coming to NOTS nine months ago.

Attending the reenlistment ceremonies aboard the YFU-53 were his wife, Virginia; his mother, Mrs. Edna Hookham, and his niece, Miss Sally Horton.

Hailing from Omaha Nebraska, the Suttons reside in Long Beach.

Masquerade Party Was Fun For All

According to the many reports from those attending, the NOTS Masquerade was a whooping success. Costumes and prizes galore and the smooth renditions by the Melo-Deans proved that "music to dance by" has not gone out of style.

Credit for the gay atmosphere goes to Jo Ann Dalton and Lois Allegritti who put in many hours of hard work decorating.

"Chaudet" fascinated the guests with a 45 minute magic show with NOTS personnel participating in the act.

The only difficult part of the evening was selection of prize-winning costumes. First prize as most authentic was won by Nova and Leonard Semeyn costumed in Japanese attire. First prize as most original (and realistic) was presented to Hal and Linda Smith.

AstroNOTS Flying High

The AstroNOTS continued to lead the NOTS Wednesday night bowling league going into the ninth week of play, but their lead was down to a neager two games. The phinks, meanwhile, consisting of George and Melodee, Monagan, Dick and Maxine Talbot, and Pauline Lofton, were hot on the scent of the top spot in a league that has the first six teams separated by only six games.

Top scores for the seventh week: team series, Pin Folk, 2999; team game, Hunees, 1048; men's series, Dick Talbot, 666; women's series, Betty Silver, 619; men's game, Bill White and Jim Martin, 235 (tie); women's game, Kathy Stanier, 225.

Top scores for the eighth week: team series, Side-winders, 3017; team game, AstroNOTS, 1064; men's series, Sam Brown, 687; women's series, Pauline Lofton, 656; men's game, Harry Paulson, 258; women's game, Janet Wills, 239.

Twenty-Year Men Honored In Station Ceremonies Held Here

Ceremonies honoring employees representing 160 years of government service were held at NOTS Pasadena recently. Those honored were eight men of the Systems Operations Division, Underwater Ordnance Department.

Lapel pins and letters of congratulations on completion of 20 years of NOTS service were received by Harold E. Donze, Milton D. Blatt, Richard P. Hamilton, Fred W. Lux, Joseph P. Strapp, and Arthur E. Backlund. Donze and Blatt also received a 20-year Federal Pin. Completing 20 years of Federal service were Jack L. Sayre and Joe R. Blackinton.

Blackinton returned to the Station from his "leisure life," having retired October 29, to receive the award.

Also presented to division men at the ceremony was a ten-year NOTS lapel emblem to Norman Telleson and a five-year pin to Keith C. Maxwell.

Presentations were made by Captain G. H. Lowe, Officer in Charge; D. J. Wilcox, Head, Underwater Ordnance Department; and D. A. Kunz, Division Head.



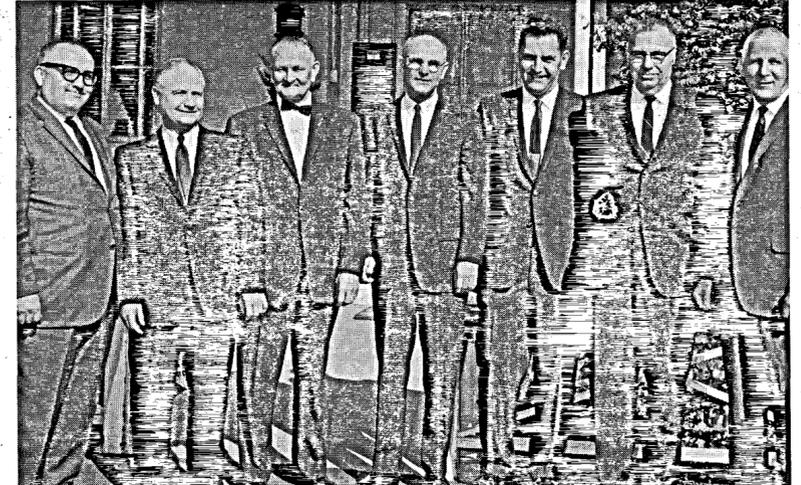
TWENTY YEARS OF FEDERAL SERVICE—Douglas J. Wilcox (left), Head, UOD, pins on lapel emblem representing 20 years of federal service. Recipients are Jack L. Sayre and Joe R. Blackinton. Backington (r), returned from recent retirement for the ceremonies.

Report on Meteors

Meteoroids will probably not be too hazardous to spacecraft flying for short periods in the near-earth environment, according to a report made by the National Aeronautics and Space Administration. This report is the result of a symposium on meteors and space dust held in Cambridge, Mass., by the Smithsonian Astrophysical Observatory, and included data obtained from the Pegasus satellite experiments.

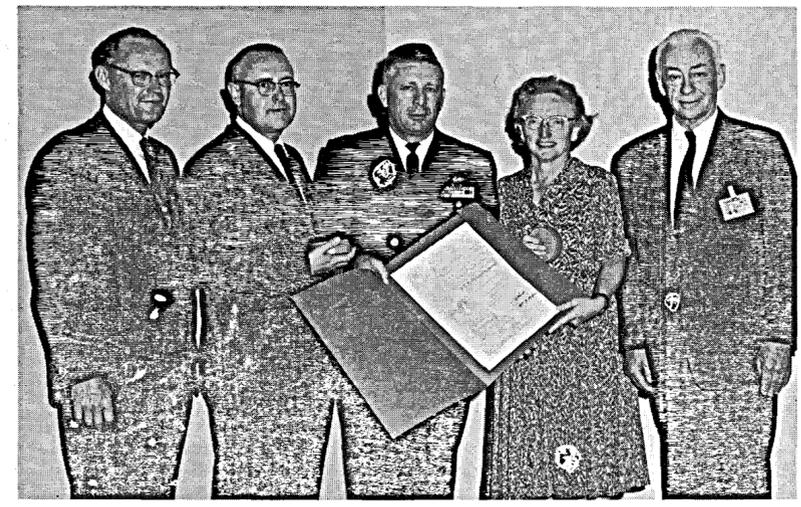
PROMOTIONAL OPPORTUNITIES

Plumber, Hourly Salary Range: \$3.28 to \$3.56; Code P7151; Duty Station: San Clemente Island. Installs and tests pipe, fittings and fixtures for construction and maintenance of hydraulic, water treatment, sewer pumping, fire protection, and high and low pressure air systems. Lays out piping systems or sections from blueprints, sketches, and written instructions. Cuts, bends, shapes, fits and assembles pipe fittings using hand tools associated with plumbing trade. Performs upkeep and repair to equipment such as commodes, wash basins, showers, washing machines, hot water heaters, boilers, water lines and sewer lines.



TWENTY-YEAR NOTS MEN—D. A. Kunz, (left), Head, Systems Operations Division, UOD, commends division men on completion of 20 years of service at NOTS. L-r, they are: Fred W. Lux, Arthur E. Backlund, Joseph P. Strapp, Richard P. Hamilton, Harold E. Donze, and Milton D. Blatt. All service has been at NOTS.

Thompson Awards to Two



THOMPSON AWARD WINNERS — Capt. John I. Hardy, ComNOTS (center), poses with winners John Pearson and Dr. Marguerite M. Rogers. At left is Dr. Wm. B. McLean, NOTS Tech. Dir., and at right is Dr. L. T. E. Thompson, the Station's first tech. dir. The award was established in his honor symbolic of achievement.

Dr. M. M. Rogers John Pearson Reap NOTS' Top Honors

Presentation of the L. T. E. Thompson Awards, the highest award given by the Station, to Dr. Marguerite M. Rogers and John Pearson climaxed the three-day meet of the NOTS' Advisory Board here last Friday.

Dr. Rogers, head of the Air-to-Surface Weapons Division, Weapons Development Dept., was cited for her work with free fall weapons, and John Pearson, head of the Detonation Physics Group, Research Dept., for his work with explosive metal forming.

Present for the awards ceremonies was Dr. L. T. E. Thompson, the Station's first Technical Director, whom the award honors. Dr. Thompson is serving his third term on the NOTS' Advisory Board, having previously served from 1951 to 1953 and 1949 to 1956. Both recipients were presented medallions in addition to certificate scrolls.

Dr. Marguerite Rogers

Dr. Rogers' award read in part... "for outstanding technical leadership and effectiveness in managing and directing the development of a large portion of this country's conventional warfare arsenal, the Free-Fall Weapons System Program."

The first woman named for the coveted award since it was instituted in 1956, Dr. Rogers has been at NOTS since 1949 except for three years during which she headed the Science Division at Columbia College, So. Carolina and spent one year as lecturer of physics at the Royal Technical College, Salford, England.

Since obtaining her Ph.D. in physics at Rice University, her career has been punctuated with significant contributions in the field of physics for government agencies and authoring technical papers on research achievements.

Widowed since 1956, she has reared a family of four boys and one girl. In a busy career, she has still found time to build a house with her own hands, where she resides with her family and her 92-year-old mother.

John Pearson

John Pearson's award read in part... "for outstanding basic and applied research in the fields of impulsive loading, explosive metal working, and warhead behavior, which has contributed highly to the advancement of ordnance, the fulfillment of the Station's mission, and the defense establishment as a whole."

A NOTS' employee since 1951, Pearson, is a pioneer and one of the nation's noted

(Continued on Page 7)

Dr. McLean Wins Rockefeller Award

(Continued from Page 1)

and would possess the all-around visibility of glass walls.

"It's not easy to get acceptance for its use because people think of glass as being fragile, which it is not for our use," Dr. McLean told reporters at a press conference on Moray and Deep Jeep, vehicles, in Pasadena on Monday.

"Yet glass in compression, as it would be at great depths, is stronger than any other material," he added.

He also noted that the Station has on order a 4.5-foot glass sphere from Corning Glass Works which will have walls 1.5 inches thick and will weight about 1,100 pounds and accommodate two men.

The glass will be protected with a plastic material against scratching and impact.

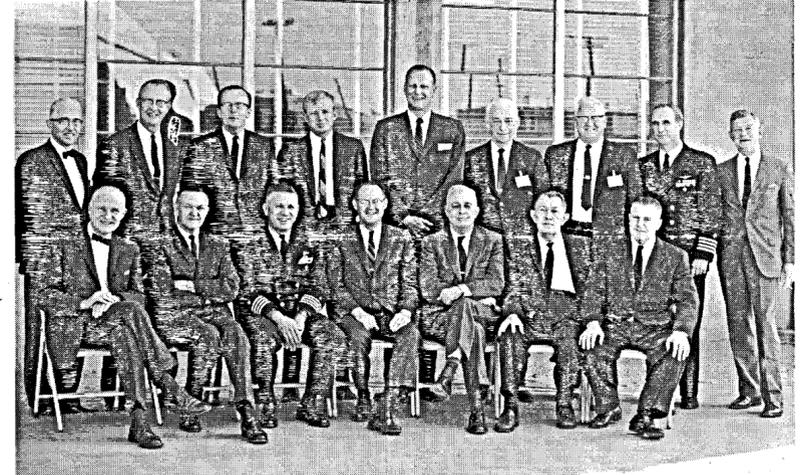
Dr. McLean said research indicates that glass spheres can be used to depths of 20,000 feet and perhaps 36,000 in deep ocean trenches.

During his 11 years as Technical Director, the Station under his management, in addition to Sidewinder, has developed the Mark 8 and Mark 16 fire control systems; the all-weather AN/ASB-7; Zuni, the high-performance folding fin rocket; Asroc, the anti-submarine weapon; Wall-eye, the television-guided weapon; and a series of free-fall weapons.

Washington (AFPS) — The 7,900-ton guided missile frigate USS Biddle was launched at Bath, Maine, July 2.

The Biddle is the fourth ship to be named in honor of Captain Nicholas Biddle, a hero in the Continental Navy during the American Revolutionary War.

She will carry a dual Terrier - Asroc missile launcher, three-inch .50 and five-inch .54 caliber guns, torpedo tubes and the Drone Anti-submarine Helicopter.



NOTS ADVISORY BOARD—Members convening here last week included (seated, l-r) Dr. J. H. Wakelin Jr., Adm. J. H. Sides, USN (Ret.), Capt. J. I. Hardy, ComNOTS; Dr. W. B. McLean, NOTS Tech. Dir.; Dr. W. A. Noyes Jr., Dr. C. C. Lauritsen, VAdm. P. D. Stroop, USN (Ret.), guest. Standing (l-r) Dr. P. M. Fye, Dr. L. W. Alvarez, Dr. J. C. R. Licklider, T. A. Pryor, guest; F. G. Jameson, Dr. L. T. E. Thompson, Dr. J. E. Henderson, Capt. L. G. Traynor, BuWeps representative (R-2); Gen. F. H. Smith, USAF (Ret.), guest. Frank Gard Jameson retires from the Board following this meet.



COMPLETE TRAINING COURSE—Thirty-four officers' wives have completed the Navy Relief Training Course conducted here by Evelyn M. Higgins, Navy Relief field representative. Seated (l-r) Miss Higgins; NR local chairman Dee Hardy, honorary; Phillis Yount and Mary Clapp, volunteers; Evelyn Bowen and Wendy Nash, records; Von Molloy, hospitality. Standing (front row l-r) Margit Jordan, Charlene Jones, Ruth Manger, Betty Stoops, Phillis Bunker, Marlene Leutschwager, Ann Synder, Fran Jorgensen, Betty Reardon, Ellen New, Phyllis O'Lane, Van Breast, Sarah Standefer, Christine Simon. Back row (l-r) Betsy Thomas, Maxine Fuller, Lou Karr, Kelly Lorange, Kathy Conway, Betty Jensen, Monic Bergeron, Mary Jeffrey, Marie Goslow, Amy Hartman, Celeste Moore, Pat Odman, Dot Frankel, Marcia White.

CHAPLAIN'S MESSAGE

"On The Record"



By ROBERT W. ODELL, Senior Chaplain

A personnel manager was talking to a new and possible job applicant: "What we're after is a man of vision; a man with drive, determination, fire; a man who never quits; a man who can inspire others and a man who can pull the company's bowling team out of the last place." Such people are desirable, aren't they?

With the tree leaves falling and the grass browning, I'd like to go on record as more than reporting the weather or the bowling scores. These are days that ask of each of us "vision," "drive," "determination," "fire," and so forth!

How are your days?

At a restaurant two disgusted husbands were having a discussion about their wives. "What do you mean," asked one, "that you have to think twice before you leave your wife alone?" "First," he replied glumly "I have to think up a reason for going out and then I have to think up why she can't go with me!"

Besides the foliage changes around us, I see other changes too. God is working in lives about us, in homes near us and in vocations within us. Isn't this wonderful? Let's go on record as being grateful, for thinking twice and thanking God more than twice.

"The moment when everyone Really looks slick Is frequently after The camera's click."

(Author unknown)

The cameras of our eyes and hearts can really click now - what with the bright folk about us, the eager minds around us and the thoughtful spirit within us. I saw a sign recently in an egg department of a credit grocery store: FRY NOW! PAY LATER! The price of beauty, brains or blessings is always to be noted. God is the source. Whether it is the hunting season, or the fishing season, basketball or baseball, outdoor or indoor picnics, Our Lord is ever in season.

Have you discovered this to be true? This is a great record to go "on." By the way—it's always the season for smiles too.

Elementary PTA Thursday Night

The China Lake Elementary PTA will present D. Robert Gingell of the Station Hospital and Dr. Peter Pinto from Drummond Medical Center in a discussion of "Importance of Vaccines and Poisons" at a general meeting Thursday, November 18, at 7:30 p.m. in the Murray School Auditorium.

All parents of elementary school children are invited to attend the meeting, and participate in the question and answer period following discussion of the evening's topic.

The two doctors will advise parents on the necessity of certain vaccines and of booster shots, and examine the subject of common poisons and procedure in suspected cases

of poisoning, after a short business meeting conducted by PTA president Mrs. Leroy Ogan.

A coffee hour is to follow the meeting, with mothers from Groves and Rowe schools preparing refreshments. No babysitting will be provided.

Concord, Mass. (AFPS) — How many quills does a porcupine have?

That's what Roger G. Fenn wanted to know and to get the answer he took a dead porcupine and spent eight hours pulling out the quills — one at a time.

His rather pointed answer was: 18,100.

PROMOTIONAL OPPORTUNITIES

Present 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.

Electronic Engineer GS-9, GS-11, or GS-12 (1 vacancy) Code 3023-incumbent will be engaged in original electronic design of solid state circuits related to development of logic for direct digital drive of induction motors, development of digital hydraulic servo valves and an optimum compensator for digital hydraulic servo drives, development of a universal dummy director for shipboard fire control systems, and the evaluation of linear digital actuators. The vacancy is located in the Design and Development Branch, Systems Development Department.

File applications for above with Joan Lines, Bldg. 34, Rm. 34, Phone 71514.

Electronic Engineer, GS-855-9, Code 5521 Design of solid-state circuits related to the control function for missile servo systems. This position requires the individual to have a Bachelor of Science degree in electronic or electrical engineering, with a good understanding of solid-state electronic theory. The vacancy is located in the Electromechanical Engineering Division, Engineering Department.

File applications for above with Loretta Matherington, Bldg. 34, Rm. 34, Phone 71471.

Employee Development Officer—GS-235-7, 9, or 11, Code 654—incumbent acts as assistant to the division head. Primary responsibility is that of assisting the division head in planning and coordinating of the employee development programs and/or conduct special studies in the employee development area.

File applications for above with Sherry Scheer, Bldg. 34, Rm. 26, Phone 71577.

Secretary (DMT), GS-4 or 5, Code 4005—Vacancy located in the Shrine Program Office, Weapons Development Department. The incumbent performs general secretarial duties including transcription of programs on machine and handwritten drafts, acts as office receptionist, processes incoming/outgoing mail and provides general clerical assistance for office staff.

Qualification Requirements: Two to three years experience in clerical, including transcribing from dictating machine.

File applications for above with Sandi Craig, Bldg. 34, Rm. 28, Phone 72476. Deadline for filing is Nov. 19.

COMPETITIVE EXAM:

The Board of U. S. Civil Service Examiners, 11th Naval District, announces an Examination for Joiner, Ann. No. SF-20-99 (65) for filling such vacancies as they occur at the S. Naval Ordnance Test Station, China Lake, Calif.

Applications should be filed with the Civil Service Representative, U. S. Naval Ordnance Test Station, China Lake, Calif. and will be accepted until further notice. The register established from this examination will cancel and supersede the register for Joiner established under Announcement No. SF-20-47 (65).

OVERSEAS VACANCIES

Civil Engineers (11 positions), GS-11, Thailand; Engineering Technician, GS-12, Japan; General Engineer, GS-12, Okinawa; General Engineer, GS-13, Mechanical Engineering, GS-5, Hawaii; Accountant, GS-150-9 or 12, Accounting Technician, GS-525-7, Engineers, Architect, GS-13, Viet-Nam. Personnel Staffing Specialist, GS-13, Quartermaster Mechanic (Shipboard Repair, Pipefitter), Philippines; Electronic Technician, GS-9, Central Office Repairman, Guam.

File applications for above with Navy Overseas Employment Office (Pacific), Federal Office Bldg. 50 Fulton Street, San Francisco, Calif. 94102.

Adicoff Chairs Meet Of Rocket Scientists

The Naval Ordnance Test Station will be the host, next Tuesday through Friday, of the fourth annual meeting of the Working Group on Mechanical Behavior of the Interagency Chemical Rocket Propulsion Group at the Naval Training Center, San Diego.

Dr. Arnold Adicoff, of Research Department's Chemistry Division, will be Chairman of the assembly of rocket and propulsion experts from universities, private industry, government and military activities across the nation. The meeting is sponsored by the Bureau of Naval Weapons.

The purpose of the annual meeting, according to Dr. Adicoff, is to integrate the disciplines of the attending scientists so that "superior design rockets and rocket propellants can be developed for various space and military applications."

Dr. Pierre St. Amand, head of Earth and Planetary Sciences Division of Research Department, will address the scientists at the Wednesday evening banquet on the subject of "Earthquakes in the Western United States" in the Center's Admiral Kidd Club.

Assisting Dr. Adicoff in setting up the conference are Warren Murback and James Baird of Code 50's Organic Chemistry Branch, and Techniques and Analysis Group, respectively. The Technical Information Department has used its experience in arranging improved methods for information presentation.

Subjects to be covered in

the meeting's four sessions are to include the relationship between binder and oxidizer on properties of a propellant, methods of characterizing and evaluating aging and environ-



DR. ARNOLD ADICOFF

mental effects upon the propellant behavior, the theory of propellant failure under various stress and strain conditions, and analysis of the structure of rocket motors in various complex configurations in terms of the tolerable stress and strain fields it can experience.

Californians Play At Catholic Fete Next Friday Eve.

The popular Californians ensemble will provide the music for the third annual dinner-dance of the China Lake Chapter of the Church Militant (Catholic), set for next Friday in the Community Center at 8:30 p.m.

The semi-formal affair includes a social hour from 7:30 to 8:30 with refreshments at the Center. Dancing to the Californians' music is scheduled for 9 to 11 a.m., according to event chairmen Mr. and Mrs. F. L. LaPierre and Mr. and Mrs. William R. Maddux.

Mrs. Charles C. Paine, ticket chairman, announces that admission will be \$5 per person or \$10 per couple. She says tickets will be available after all masses at the All Faith Chapel, at the Community Center, and at the homes of Mrs. Charles C. Paine, 221 Segundo, Mrs. Bernard P. Wenzl, 211-A Mitcher and Mrs. Milton H. Ritche, 32-A Sykes Cir.

Reservations can be made with Mr. and Mrs. Charles May.

Humans Appear At Acey-Ducey Club Tonight

The Humans, one of the top groups in modern music, will be performing at the Acey Ducey Club tonight and Saturday, November 12 & 13, from 9 p.m. to 1:30 a.m.

They have just completed a tour of the east coast from New York to New Orleans, performing at top night spots. They have been in several movies and on such T.V. programs as Shindig, Hollywood-A-Go-Go, and Hullabaloo.

GEBA Assessment Waived for Death Of Everett Powell

No assessments will be levied due to the death of GEBA member Everett E. (Curly) Powell, it was announced by Secretary-Treasurer Joseph M. Becker this week.

A long time member of the Fire Department, he died of a heart attack, Monday evening at the Ridgecrest Hospital.

Mr. Powell was active in local community and fraternal affairs.

Blue Cross Ins. Agent To Visit Station Wed.

Norman B. Smith, Blue Cross representative from Bakersfield, will be at the Community Center on Wednesday, Nov. 17, from 9 a.m. to 4 p.m.

To Play In Turkey Bowl



'POP' WARNER COLTS—Headed for the 'Turkey Bowl' fray on Saturday, Nov. 20, at Burroughs' field (kneeling, l-r) are Bill Sobalvarro, Cliff Ward, Roland Hartley, Jim Quilton, Joe Paff, Victor Swendblom. Standing (l-r) Head Coach Dennis Smith, Ken Cott,

Don Bacoch, Robert DeLeon, Sidney Bittle, Jeff Little, Steve Gutierrez, and Gary O'Brien. The Colts will clash with the Browns. Tickets are priced 75 cents for adults or two for a \$1. Under 16, the price is 50 cents each or three for 50 cents.

Death Valley Is Focus of Camera Club's Program

"Death Valley and Your Camera" will be the color slide feature presentation at the Wednesday, November 17, meeting of the China Lake Camera Club, 7:30 p.m. at 361 McIntire.

The presentation was produced by Fred L. Richards, editor of the Rocketeer, and will be presented at the Club meeting by his wife, Louise. All Club members and interested friends are invited to view the presentation.

Club members and friends plan also to attend activities for photographers on Saturday, November 13; the third of four days of the annual Death Valley Encampment, sponsored by the Death Valley 49ers. It is to begin with a Photographers' Breakfast at 8 a.m. at the Furnace Creek Golf Course. Breakfast tickets are \$1.75 each at the breakfast.

Laker's Son Hit In Cong Assault

David W. Larson 20, son of Mrs. Mary Larson of Supply Department's Disposal Branch, arrived this week at the U.S. Naval Hospital at San Diego to recover from wounds he suffered in a Thursday, October 28, Viet Cong attack at the Marine Corps base at Da Nang.

While serving with SeaBee Battalion MCB9 as a constructionman in the Da Nang area, his unit came under a heavy mortar barrage. While wounded, he took defensive action with his unit, and was later found to have suffered a skull fracture from shell fragments.

After surgery to remove the fragments, David was flown to San Diego, with a good prognosis.

He is a Burroughs graduate of 1962, was active in Little and Pony League baseball, and was a member of the China Lake SeaBees in his senior year.

BOWLING NEWS

By Dick Stine Phone FR 5-5411

PREMIER LEAGUE:

During this past week the team members of the CPO Club held onto first place by recording a 962 high game while the Starlite team members rolled a 2633 high series. Jack Brown received top honors by rolling a nice 224 high game and at the same time Fred Dalpiaz had a very nice 575 series. The lucky shooter for the night was Bob Dausch; he picked up the difficult 4-6 split.

MIDWAY LEAGUE:

Last Tuesday night LCdr. Jack Miner received high honors by recording a 246 high game and a 580 high series. Team honors go to the Childers for their 919 high game and to the Red Birds for their 2504 high series.

WOMEN'S LEAGUE

Lorraine Johnson held top honors for last Wednesday night by recording a 210 high game and a 541 high series while the team members of the Cacti made a clean sweep by recording a 998 high game and a 2774 high series with handicaps. The Jets are now in first place by one game over the Millers for men and women.

Quartz Hill Flattened In BHS Homecoming

BY MIKE TAYLOR

The Burros smashing victory over Quartz Hill High School, 45 to 6, made the 1965 Homecoming a great success.

Quartz Hill received the opening kick-off on their 32 yard line. The Rebels were unable to do anything with the pigskin as they were forced to punt on a fourth and nine situation on their 33 yard line. Burros got the ball on their 33 and wasted no time in moving the ball as Steve Metcalf went 13 yards on the first play from scrimmage to start a seven-play drive which ended as he ran 22 yards around the end for the first score of the game. John Martin kicked the extra point to put BHS ahead 7-0.

Burros opened the second quarter with another TD, as Gordy Irving picked off a 13 yard pass from quarter back John Manger. The attempt for the extra point failed.

Quartz Hill got the football on their 36 yard line, but lost it on the 48. John Manger faked the hand on the next play as he carried the ball around the end for the 48 yard run to glory; and the third TD of the game.

The Rebels of Quartz Hill got the kick-off on their 27 yard line but fumbled on the 30, where Steve Metcalf took the hand-off and went all the way for the score.

The Rebels got the kick-off and tried again to get an offensive going, but as usual were forced into a fourth and long yardage. This time though the Rebels retrieved a Burros fumble on the BHS 15 yard line, and went on to score. Ron Coleman went in from four yards out. The try for the extra point was no good.

Burros got the kick-off, but neither team was able to start another offensive as the half ended with Burros 36, Quartz Hill 6.

Home Stretch Action

The third quarter opened as the Rebels of Quartz Hill kicked off, the Burros running the ball back to the 40, from where they again headed for the end zone. The Rebels managed to suppress the drive on

their 36, but they controlled the ball only a few plays before Burros took over again. Several plays after the Burros got the ball, quarter-back John Manger kept the pigskin for a 32-yard jaunt for Burros' fifth TD. The extra point was good.

The Burros kicked off again with Quartz Hill getting the ball on their 23 yard line where they lost the ball. BHS took advantage of the Rebels misfortune, and got another touchdown, when John Ayres covered the last 6 yards. The try for the point was no good.

The Rebels got the ball and were well on their way to another TD, until Burros' defensive end Duke Martin picked off a pass on the BHS 15 yard line and returned it 87 yards for the last score of the game.

Neither team was able to score in the fourth quarter. Duke Martin picked another Rebel pass to keep them from getting another offense started. Thus, the game ended with Burros victorious 45 to 6. Burros plays Palmdale tonight in Palmdale.

Two Thompson Award Winners

(Continued from Page 3)

authorities in the field of metal forming with explosives.

So highly is he regarded in his field, that the USSR has translated his book "The Behavior of Metals Under Impulsive Loads" into Russian.

"And without benefit of royalties," Pearson refully adds, "this has been going on since 1958. The last I heard, it was selling for 12 rubles and 35 kopecs. Of course they may have inflation by now."

Pearson, who holds B.S. and M.S. degrees in mechanical engineering from Northwestern University, has served as consultant to industry and government agencies in his specialized field.

For the last eight years, he has served as a special lecturer for the University of California, in addition to co-authoring three books and contributing to technical publications.

Married to the former Ruth Billhardt of Chicago, Ill., the Pearsons have three boys, John Stuart, 14, Armin, 13, and Roger, 11.

PTA Meeting Includes Talk On Colleges

The second of five meetings to be held by the Burroughs High School Parent-Teacher Association during the school year will be Thursday, Nov. 18, at 7:30 p.m. in the all-purpose room of the high school.

William J. Heffernan, Dean of Admissions and Records for Bakersfield Junior College, will discuss colleges and universities in general, in respect to entrance requirements, costs, lodging, and scholarships.

All parents are invited to the meeting, whether they are PTA members or not, and to participate in the question and discussion period after Heffernan's main address.

Junior and senior high school students are also invited to attend.

Just as people who drive are fussy about keeping the windshields of their cars clean so are astronauts when they go into orbit, as the glare of sunshine on dirty glass can be a hazard. When Lieutenant Colonel Edward H. White stepped out into space for his famous "walk," his fellow astronaut, Lieutenant Colonel James A. McDivitt, jokingly asked him to clean the cabin windshield.

When you use anything from a bottle, can or container, be sure you're using what you think it is. Report containers without labels or with incorrect or incomplete labels.

Umps Needed For Basketball

The Special Services Office is seeking persons interested in officiating the intramural basketball games.

The games will begin Tuesday, November 23, and two games will be played on Tuesday and Thursday evenings. Game times are at 6 and 8 p.m. For further details, contact the Special Services Officer at Ext. 72017 or 71791.

Some people who long to live forever don't even know what to do with themselves on a rainy Sunday afternoon.

GENERAL MESS MENU

- FRIDAY, NOV. 12
D-Oyster stew, natural gravy, home fried potatoes, lima beans, salad bar, pineapple upside down cake.
TUESDAY, NOV. 16
B-Cereal, fruit, hot farina, French toast, pork sausage links, Swedish tea rings.
D-Chicken rice soup, oven fried chicken, brown chicken gravy, noodles, green beans with onions, salad bar, peach pie.
SATURDAY, NOV. 13
B-Cereal, fruit, hot oatmeal, fried eggs, ham slices, waffles, syrup, tomato juice.
1000 ADD: Creole soup, bacon, lettuce, tomato sandwiches, French fried potatoes, ice cream, salad bar.
1000 OMIT: Ham slices, waffles, syrup, tomato juice.
SUNDAY, NOV. 14
B-Cereal, fruit, hot farina, fried eggs, bacon slices, waffles, syrup, fruit juice.
1000 ADD: Mulligatawny soup, tuna salad sandwiches, potato chips, ice cream, salad bar.
1000 OMIT: Bacon slices, waffles, syrup, fruit juice.
S-Tomato rice soup, roast leg of pork, brown pork gravy, lyonnaise potatoes, asparagus, salad bar, pineapple tapioca pudding with topping.
MONDAY, NOV. 15
B-Cereal, fruit, hot oatmeal, fried eggs, corn beef hash patties, quick coffee cake with streusel topping.
D-Onion soup, hot roast beef sandwich, natural gravy, mashed potatoes, mixed vegetables, salad bar, apple pie.