

Richie D. Haddock Earns Scouting's Highest Award

Three Boy Scout troops participated last Sunday in an Eagle Court of Honor, held at the Church of Jesus Christ of the Latter Day Saints. A number of Scouting honors were passed out, including 20 merit badge awards, three Tenderfoot Awards, one Second Class Award, four First Class Awards, a Star Award, a Life Award, and Scouting's highest honor, an Eagle Scout.

Members of the court making the awards were AlDean Washburn, Mont J. Stevens, J. Gordon Shumway, Gerald R. Schiefer, Milton O. Ravsten and William K. Walden.

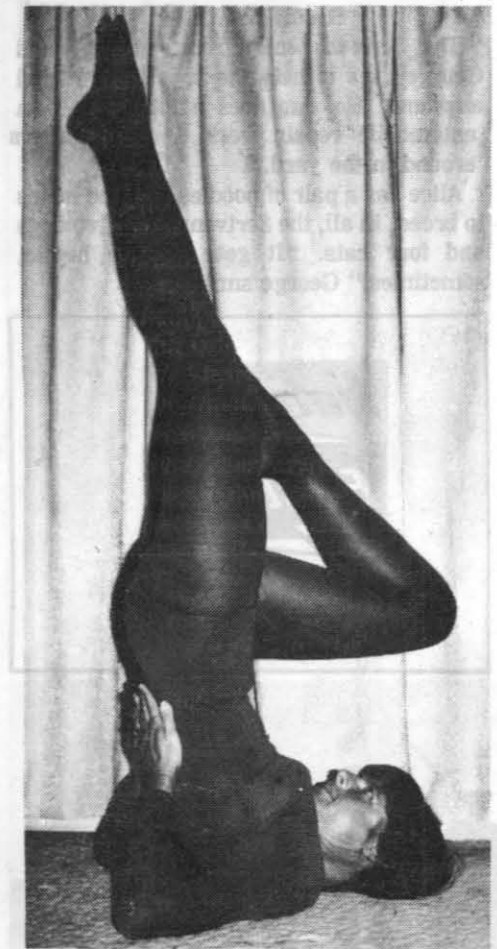
A. Leon Nelson, District Scout Executive for the Southern Sierra Council, Boy Scouts of America, was an honored guest at the proceedings. Principal awardees were Doug Ulrich, who received the Star Award, Darl Pringle, who earned the Life Award, and Richie D. Haddock, who has now earned the honor to call himself an Eagle Scout.

Young Haddock, a 15-year-old sophomore at Burroughs High School, has earned 24 merit badges in subjects as diverse as cooking, forestry, geology and electricity. Listing his hobbies as backpacking, fishing, river running and football, he plays on the Burroughs football team and this year is sophomore class treasurer.

Troops participating in the Court of Honor were 68, 824 and 825. At the end of the ceremony, a trumpet solo, "The End of a Perfect Day," was given by Darwin Rosenlauf.

Lessons in Yoga To Begin at NWC Community Center

A Special Services course in yoga will be offered at the NWC Community Center beginning on Wednesday, Jan. 30, at 7:30 p.m. The course will be taught by Joan



YOGA EXPERT — Joan Leipnik demonstrates one of the positions of Hatha Yoga that she will teach in the Special Services yoga course, scheduled to begin on Wednesday.

Leipnik, who has studied yoga in Australia, France, Curacao and Santa Barbara.

"Yoga calms nerves and relaxes tensions through deep breathing and slow stretching," Mrs. Leipnik said. She added that the energy increase resulting from a practice of yoga is a valuable asset in these days of energy shortages.

Enrollments for this six-week course may be arranged at the Community Center during office hours. Tuition charge for the course is \$10.



MAKING MUSIC — Gordon Trousdale directs members of the Desert Community Orchestra in rehearsal for Thursday's concert, to be held in the new concert hall of the Cerro Coso Community Concert. The concert, to begin at 8 p.m., will feature four local musicians as soloists in a Mozart concertante. Selections from Rossini, Holst and Faure will also be offered.

Desert Community Orchestra Offers Concert at College

As only the second event to be scheduled at the new concert hall of the Cerro Coso Community College, the Desert Community Orchestra will perform its winter concert on Thursday, Jan. 31, at 8 p.m.

The new Cerro Coso Community College campus, located south of Ridgecrest on College Heights Blvd., has been under construction for the past year, and is nearing completion. According to Ray Marsh, Director of Administration, the auditorium is now receiving its finishing touches and will be ready for the orchestra's scheduled concert, as well as for a choral concert on Monday.

The January 31st performance, led by conductor Gordon Trousdale, will feature Jan Richardson, Al Hammer, Charles Humphreys and Russell Parker as soloists in Mozart's "Sinfonia Concertante in E-Flat for Oboe, Clarinet, Bassoon and Horn." The soloists are well-known local musicians who have played as regular members of the orchestra for some years.

Local Musicians Featured

The orchestra has become a family affair for soloist Jan Richardson. In addition to the oboe, she is proficient on the clarinet and bassoon. Her daughter, Priscilla, is also a member of the orchestra, playing the flute and piccolo. Son Byron plays bassoon, and another son, Randy, is a violinist.

Al Hammer, a mathematician employed by NWC, is a charter member and long-time supporter of the orchestra. Best known for his accomplished performances on the clarinet, he will demonstrate his capabilities in the Mozart clarinet solo.

Another soloist to be heard on the bassoon, is Charles Humphreys. He has played first oboe with the all Southern California Orchestra, and with the Sixth Armored Division Band while in the U. S. Army.

Russell Parker, fourth soloist of the concert, is the Burroughs High School instrument director, and has been a member of the orchestra longer than he has lived here. He commuted from Boron for three years prior to moving to Ridgecrest. He will be featured on the French horn.

Varied Program Offered

The orchestra will also offer three additional selections, Rossini's "Overture to L'Italiana in Algeri," followed by the Gustav Holst compositions "Two Songs Without Words for Small Orchestra," and "Sicilienne" from "Pelleas et Melisande" by Faure.

Membership tickets in the Desert Community Orchestra Association will be honored at the Cerro Coso Concert Hall, or may be obtained at the box office prior to the concert. Single concert tickets will also be available on a first-come, first-seated basis. The Desert Community Orchestra, organized to provide the community with a

highlight of cultural activity, is supported by the Cerro Coso Community College with financial backing by the Desert Community Orchestra Association as an agency of community interest and support.

Additional information on the orchestra and its activities may be obtained by addressing the association president, Mrs. Andrew J. Bergens, at P. O. Box 5652, China Lake 93555, or by calling 375-8342.

Director For CLOTA Play Chooses Cast

Director Gail Falkenberg announced her selection this week of a talented cast to recreate the story of Helen Keller and her teacher in the upcoming CLOTA production, "The Miracle Worker."

Annie Sullivan, the teacher, will be played by Cathy Carter. This is a new challenge for the young actress, who was a recent hit as the redheaded bombshell in the Theater 27 production of "The Man Who Came to Dinner." Playing the part of Helen Keller will be Elena Vitale, a CLOTA mainstay who has done everything from chorus-line work to technical direction in past seasons.

Other members of the Keller family will be Bob Pinney as Capt. Keller, Katherine Smith as Kate, and Wes Willett as James. The part of Anagnos will be played by Bob Norman.

Others in the case are Joan Renner as Aunt Ev, Ginger Bartlett as Viney, and Gerry Baker as the doctor. Three children with speaking roles are Kathy Farris as Martha, LaVisa Barnes as Percy, and Randy Peck as Jimmie.

Children at the school for the blind will be portrayed by Deanna Wooldridge, Deborah Green, Martine Baker, Mary Kay Mathes, Roxanne Alger, Rebecca Hoffman, Tami Hunt, Colleen Wilson, and Patti Lou Wilson.

Miss Falkenberg has lined up an experienced roster of technical assistants. Terry Payne will handle the assistant directorial chores. Bill Beasley will serve as technical director, with assistance from Phil Bowen. June Deatherage is set designer, and Vivian Childers is designer and construction coordinator for costumes. Stage manager will be Debby Trousdale and Vernon Green will handle the lights, with assistance from Jim Rosolanka.

"The Miracle Worker" is scheduled to come to the Burroughs High School Lecture Center stage on March 22, 23, 29, 30 and 31. All performances will begin at 8:15, except for the Sunday closing night performance, which will begin at 7:15. Season tickets at bargain rates will be available in February from CLOTA members.

SHOWBOAT

MOVIE RATINGS

The objective of the ratings is to inform parents about the suitability of movie content for viewing by their children.

(G) - ALL AGES ADMITTED
General Audiences

(PG) - ALL AGES ADMITTED
Parental Guidance Suggested

(R) - RESTRICTED
Under 17 requires accompanying Parent or Adult Guardian

CS - Cinemascope
STD - Standard Movie Screen

Regular starting time - 7:30 p.m.
Matinee - 1 p.m.

FRI. 25 January
"SLAUGHTERHOUSE-FIVE" (103 Min.)
Michael Sacks, Ron Leibman
(Comedy Drama) Beginning with a time-trip backwards to World War II and the frozen fields of Belgium, Slaughterhouse traces in its fragmented way the story of Billy Pilgrim's advance from POW chaplain's assistant, to witness at the Allied firebombing of the city of Dresden in 1945, to participation in the American Way of Life. Sexual overtones, violence, language and partial nudity may offend some. (R)

SAT. 26 January
—FAMILY MATINEE—
"THE COCKEYED COWBOYS OF CALICO COUNTY" (105 Min.)
Dan Blocker, Nanette Fabray
—EVENING—
"WICKED, WICKED" (95 Min.) (New Release)
David Bailey, Tiffany Bolling
(Suspense Comedy-Drama) Checking into the beachfront Grandview Hotel, Diane McBaine disappears after being stabbed to death by a mysterious killer. Hotel manager Roger Bowen thinks she's left without paying, but security officer David Bailey suspects otherwise. (PG)

SUN. & MON. 27-28 January
"A NAME FOR EVIL" (92 Min.) (New Release)
Samantha Eggar, Robert Culp
(Drama) A husband and wife retreat to a decaying ante-bellum mansion in Louisiana's delta region, where a nameless terror threatens both their sanity and their lives. (R)

TUES. & WED. 29-30 January
"LOST HORIZON" (138 Min.) (New Release)
Peter Finch, Liv Ullmann
(Musical) Escaping Baskula in Southeast Asia during a guerrilla attack are Peter Finch, a U.N. diplomat; Michael York, his reporter brother; Sally Kellerman, correspondent; George Kennedy, an engineer; and Bobby Van, a U.S.O. comic. Their plane crash lands and they find themselves in Shangri-La, a valley paradise where disease and poverty are unknown. (G)

THURS. 31 January
"THE HIRELING" (107 Min.) (New Release)
Sarah Miles, Robert Shaw
(Drama) The 1920's story covers the doomed relationship between a titled English woman recovering from a nervous breakdown brought on by her husband's death and the chauffeur she hires to drive her around. (PG)

FRI. 1 February
"FIDDLER ON THE ROOF" (179 Min.)
Topol, Norma Crane (G)

Grumbacher Artist To Give Lecture

Internationally-known art specialist Arden Von Dewitz will be the guest speaker at the monthly Desert Art League meeting to be held on Monday at 7:30 p.m. in the Main Hall of the Community Center.

This meeting is open to the public and local art students are especially invited. Members and friends of the Art League are asked to note the change of meeting rooms for this particular meeting.

Von Dewitz is employed by Grumbacher Artist Materials as a demonstrator. Among his other activities he has had 18 half-hour TV shows on ABC demonstrating painting. Seascapes are his specialty and his demonstration painting before the Art League will be a seascape. Three of the Foster art books are by Von Dewitz and his paintings are included in collections of both industry and private individuals as well as in the U. S. Navy collection and the State Capitol at Sacramento.

From _____

TO _____

PLACE STAMP HERE

China Lake Police Officers Commended

Three employees of the NWC Police Division were cited Wednesday by Rear Admiral Paul E. Pugh, NWC Commander, for actions they took that resulted in the apprehension of an armed robbery suspect on the night of Jan. 11.

Officers Stephen M. Shire, Carlton A. Hoffpaur, and Marilyn Beardsley received Letters of Appreciation from the Commander for their prompt action on that evening.

Entered Liquor Store

Donald Ray Williams, 22, an admitted parolee on an armed robbery charge from Texas, who was residing at 341 Inyokern Rd., allegedly entered Ken's Liquor Store, 301 Inyokern Rd., late that evening and ordered the clerk, Charles Christy, to "Give me the money." During the ensuing altercation, the suspect allegedly fired three shots at Christy, hitting the store clerk in the pants pocket and the shoulder.

Roger Young, a Ridgecrest policeman and the son of the liquor store owner, Ken Young, supplied the police dispatcher of the

Ridgecrest Police Department with the suspect's name after listening to a description. This description was broadcast over the communications network to police agencies as an "All Points Bulletin."

Monitored Broadcast

While monitoring the RCPD broadcast, Officer Beardsley, the China Lake dispatcher, deployed local units to advantageous positions to intercept the fleeing suspect. Upon hearing the name of the possible suspect, she immediately checked NWC vehicle registration data and ascertained that the information originally broadcast from the RCPD was erroneous, as it concerned the suspect's auto. Officer Beardsley corrected the information and broadcast the suspect's auto as being a green Mustang, instead of being a blue Datsun, as originally broadcast.

Within a minute's time, Officer Shire observed the suspect vehicle exiting the NWC back gate. Alone at the time, Shire requested immediate assistance. Officer

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CITED FOR OUTSTANDING WORK — Capt. D. W. Alderton (l.), NWC's Deputy Commander, beams his approval following the presentation of Letters of Appreciation to three China Lake Police Division officers. They are (l-r): Marilyn Beardsley, Stephen Shire and Greg Hoffpaur. Police Chief Steve Kaupp was present at the ceremony. The three officers were cited for their work in the apprehension of a suspected armed robber.

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China Lake
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Six NWC Employees Awarded Grants for Graduate Study

The NWC Education Office has announced that two employees have been awarded NWC Fellowships to pursue one year each of graduate study and that four employees have received University of Southern California Fellowships in order to complete on-campus the graduate studies in engineering begun through the local portion of the program.

NWC Fellowship recipients are Ravindra Jain and Michael P. Spowitz. Both are employees of the Engineering Department, where Jain works in the Missile Documentation Branch and Spowitz is employed in the Control Design Branch.

USC Fellowships in Electrical Engineering have been awarded to Clifford J. Warner, an employee of the Weapons Development Department's Advanced Design Branch; Thomas J. LaJeunesse, an

employee of the Systems Development Department's Weapons Systems Synthesis Branch; and G. Brad Royer and Charles G. Thurman, both employees of the Systems Development Department's E/O Guidance Branch.

NWC FELLOWSHIPS

Ravindra Jain — A China Lake resident since April, 1971, Jain has worked in the Missile Documentation Branch for his entire NWC career. He holds a B.S. in mechanical engineering from Sacramento State College (now called California State University, Sacramento). Jain and his wife, Karin, have three children, Arun, Christopher and Bernard. While he was at China Lake, Jain pursued an active extracurricular life, with interests in skiing, photography and the Toastmasters' Club. Now on-campus for the

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ASS'T SECNAV (I&L) PAYS VISIT TO NWC — The Honorable Jack L. Bowers (c.), Assistant Secretary of the Navy (I&L), visited NWC last Thursday to receive technical briefings. While here he made a short tour of the Naval Air Facility to look at hardware and he was shown the "Highlights" film. Bowers was accompanied to NWC by his wife and a party of Naval officers.

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NWC Commander Delivers Positive Outlook Speech

Speaking before more than 1,000 business and industrial leaders in Bakersfield this week, RAdm. Paul E. Pugh, NWC Commander, praised the spirit leading to the county's expansion in industry, agriculture, business and other areas. "Kern County is really on the go," he said.

The admiral gave an overview of the economic prospects of NWC and eastern Kern County to delegates attending the morning session of the Kern County Business Outlook Conference, held Wednesday in the Bakersfield Civic Auditorium.

Other experts contributing perspective on aspects of Kern County's economic future included Allen Bottorff from the Kern County Water Agency; Vince Casper of Casper's Men's Stores; Brig. Gen. Howard M. Lane, commander of the Edwards Air Force Base Flight Test Center; Kenneth M. Wegis of Buttonwillow KenO Farms; Dean Laudeman, representing the Union Oil Co. of California and Conrad C. Jamison of the Security Pacific National Bank. Assessments of future prospects in agriculture, minerals, tourism, construction, retail business and other aspects of the county's economy were given by these leaders.

Opening his remarks with praise of the Kern County Board of Trade and other organizations impacting on our way of life, RAdm. Pugh stated that, "Although we are all implementing certain actions with respect to energy problems and will probably have to take more actions, there is no shortage of people energy in Kern County." In this context, he mentioned positive steps that are being taken at NWC to conserve energy.

The admiral stressed the necessity to remain prepared for war in times of peace. "The business of the Naval Weapons Center is to make a material contribution to this country's readiness and ability to compete in the world arena so that our leaders may act from a position of strength in times of crisis," he said.

Reminding the conference delegates that the end of operations in Southeast Asia has caused a shift in military emphasis, RAdm. Pugh said, "We must concern ourselves more with updating, developing new technology and hardware and, in general, taking a hard look at the future."

Considering the current climate, a strong year is in store for NWC, the admiral predicted. He stated his belief that last year's reorganization of the technical department structure "affords more efficient and more positive management control," helping to "enhance the chances of success for future generations of weapon systems."

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NEW CHAMBER OFFICERS — Most of the future community The new civic officers will be led by George Grisham, president (to affairs in Ridgecrest will be in the hands of the new Chamber of Judge Steele's right). Other new officers are, left to right: Ken Commerce board of directors, pictured above following an in-Bird, vice president; Berniece Lyons, secretary; John Wilson, stallion dinner at Joshua Hall. Judge Kelly Steele, from treasurer; and Granville Brents, Mike Molner, John Parlet and Bakersfield (standing at right in back) was the installing officer. Tony Squillace, directors.

National Prayer Breakfast Plans Finalized

Plans are being finalized for the annual observance of the National Prayer Breakfast to be held Thursday, Jan. 31, at the Chief Petty Officers' Club. The breakfast will begin at 6 a.m. The annual celebration at the Naval Weapons Center is held the same day the President, members of his Cabinet and Congress attend a Prayer Breakfast and provides an opportunity for the military and civilian personnel of the

Center to come together for this common cause of devotion and fellowship. An inspirational talk will be given by William B. Porter and DT1 John S. King will read from the scriptures. The master of ceremonies this year will be John M. Campbell. The program will include an invocation by Capt. E. M. Crow, Commanding Officer of VX-5, the pledge of allegiance led by James M. Fath and opening remarks by Rear

Admiral Paul E. Pugh, NWC Commander. Taped messages by President Nixon and Secretary of Defense James Schlesinger will be followed by special music with the Sweet Adelines and Mr. and Mrs. Milton Martin. Group singing will be led by Martin. Since seating will be limited, those wishing to attend are advised to pick up tickets at the NWC Chaplain's office, or from representatives of the various congregations of the Chapel.

PROMOTIONAL OPPORTUNITIES

Applications for positions listed in this column will be accepted from current NWC employees and should be filed with the persons named in the ad. All others desiring employment with the Naval Weapons Center may contact the Employment Division, Code 652, Extension 2069. Current applications (SF-171) or Standard Form 1972 should be submitted bringing your work history up to date if one has not been submitted within the last 6 months. The fact that positions are advertised in this column does not preclude the use of other means to fill these positions. Part of the ranking process of those rated as basically qualified will be a supervisory appraisal form that will be sent to the employee's present and most recent previous supervisor. Selection shall be made without discrimination for any nonmerit reason.

Inspector (Heavy Duty Equipment Repair) WX-5802-9, JD No. 72-1, Code 70703 — Inspects for and describes malfunctions of such heavy type gasoline and/or diesel powered equipment as tractor (crawler and wheel types), road grading equipment, cranes, fork lifts, railway locomotives, earth moving equipment and attachments for such equipment. Minimum Qualification Requirements: Rating will be on the basis of the appropriate J-Element standard in accordance with X-118C.

Clerk (Typing) GS-301-04, PD No. 6970009, Code 70703 — The incumbent is responsible for collection, internal handling and distribution of detailed statistical data on all automotive, weight handling, materials handling, railroad, construction, special types and transportation plant account equipment used at NWC. Minimum Qualification Requirements: 1 year general and 1 year specialized experience as defined in X-118. File applications with Dora Childers, Code 657, Rm. 210, Ph. 0222.

Electronics Technician, GS-856-9/10/11/12, PD No. 7451007, Code 5114 — This position is in the Advanced Systems Branch and is part of a new group to work on Advanced RF Technology for Missile Guidance. The incumbent designs and fabricates microelectronic circuitry, microwave devices, ECCM, and signal processing systems. He tests RF seekers in the anechoic chamber and flight. Must be interested in working on state-of-the-art technology and evaluating new approaches and ideas. Job Relevant Criteria: Incumbent must have experience in assembling and checking out components, circuits and microwave system associated with RF seekers and signal processing techniques. Minimum Qualification Requirements: As defined in CSC Handbook X-118. File applications with Pat Gaunt, Bldg. 34, Rm. 212, Ph. 2514.

Traffic Manager, GS-2130-11, PD No. 7425004, Code 2594 — (This is a temporary position not to exceed one year with a possibility of leading to a permanent position) — This position is Head of the Traffic Branch, Material Division, Supply Department. Incumbent determines means of transportation, packaging, and scheduling of material shipments to best meet the needs of Center projects. Incumbent is responsible for performing analytical work associated with planning and developing traffic management projects and programs; conducts special logistical studies; formulates traffic management policies, and establishes operational requirements for the Traffic Branch. Incumbent performs a liaison function with Center personnel, carrier personnel, several regulatory Bureaus, and other military and research activities. Minimum Qualification Requirements: As defined in CSC Handbook X-118. Job Relevant Criteria: Ability to plan, direct and coordinate traffic programs. Knowledge of government and commercial traffic regulations, tariffs, policies, procedures and publications. Ability to analyze and evaluate agency programs and operations for traffic management considerations. Ability to make effective oral and written presentations.

Administrative Assistant, GS-341-6/7, PD No. 7225049Am1, Code 2513 — This position is located in the Administration Branch, Planning administrative Division, Supply Department. The incumbent is responsible for supervision of a program to provide general office services to the Supply Department; maintaining the property management program; conducting management surveys and preparing special reports for the Supply Directorate. Incumbent provides a central source of information in personnel matters including reports pertaining to staffing requirements and manpower management; and maintaining Center and Supply Department instructions pertaining to supply functions. Minimum Qualification Requirements: As defined in the CSC Handbook X-118. Job Relevant Criteria: Knowledge of Supply Department organization, functions and procedures. Ability to analyze functions, and prepare management reports and instructions. Ability to deal effectively with line managers. Advancement Potential: GS-8.

Electronic Engineer, GS-855-9/11, PD No. 7250054, Code 3235 — This position is located in Fuze Project Branch V, Development Division I, Fuze Department. The incumbent designs and develops unique electronic systems and circuits for specific missile fuze applications; performs theoretical and experimental analysis of novel circuitry; and designs and correlates the development of test instrumentation. Serves as a consultant to industrial contractors and assists in laboratory and field evaluation tests. Minimum Qualification Requirements: As defined in the CSC Handbook X-118. Job Relevant Criteria: Knowledge of physics and electro-magnetic wave theory. Ability to plan and conduct a variety of measurements. Ability to design and analyze solid state circuits and radio frequency systems. Advancement Potential: GS-12. File applications with Dora Childers, Code 657, Rm. 210, Ph. 0222.

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PROMOTIONAL OPPORTUNITIES

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7433001, Code 3235 — This position is located in Fuze Project Branch III, Development Division I, Fuze Department. Incumbent designs and develops electronic systems and circuits, for microwave and electro-optical fuzing systems; performs theoretical and experimental analyses during the design process; and makes assessments of fuze system for operational, environmental and reliability characteristics. Designs and correlates the development of test instrumentation; serves as a consultant to industrial contractors and assists in laboratory and field technical evaluations. Minimum Qualification Requirements: As defined in the CSC Handbook X-118. Job Relevant Criteria: Broad knowledge of electro-optics and physics experience in testing and evaluating guided missile proximity fuzes. Ability to calibrate and operate laboratory, field, and airborne electronic test equipment.

Supervisory Electronics Engineer, GS-855-13/14, PD No. 7433007, Code 3312 — This position is Head of the Systems Techniques Branch, Advanced Systems Division, Fuze Department. Incumbent plans, directs and coordinates through a staff of engineers and technicians, the analysis, design, implementation and assessment of novel fuzing techniques. Incumbent acts as a consultant to other groups on the Center on related fuzing techniques and problems. Minimum Qualification Requirements: As defined in the CSC Handbook X-118. Job Relevant Criteria: Experience in fuze systems design and analysis. Knowledge of computer modeling of physical processes and the representation of complex electronic systems by computer simulation. Ability to manage and coordinate efforts of scientists and engineers engaged in missile subsystems development activity. Ability to deal effectively with Center management and NAVAIR systems managers.

Voucher Examiner, GS-540-4, PD No. 7325021-1, Code 2575 — Provides voucher examiner services on contracts for the payment of support and services received. Examines a variety of contracts, specific provisions thereof and modifying instruments. Maintains liaison with technical personnel to provide material status information and issues cancellation, rejection and short notices. Minimum Qualification Requirements: One year of general clerical experience plus one year of specialized experience. Job Relevant Criteria: Ability to deal effectively and tactfully with people; ability to work under pressure; accuracy, ability in using calculators; knowledge of contractual documents. Advancement Potential: GS-5.

File applications for the above with Claire Lewis, Bldg. 34, Rm. 212, Ph. 2371.

Special Services Director, GS-188-12, PD No. 7385017, Code 855 — This position is located in the Special Services Division of the Command Administration Department. Incumbent administers and supervises a comprehensive athletic and recreation program for military (active and retired) and civilian personnel and their dependents on a station-wide basis. He is responsible for the maintenance, upkeep and security of all Special Services facilities. The incumbent is responsible for all administrative and personnel functions, budgeting, programming, publicity, safety programs and liaison with outside recreation agencies. Minimum Qualification Requirements: As per CSC Handbook X-118. Job Relevant Criteria: Ability to identify recreation interests and needs of the center; proven ability to administer a comprehensive athletic and recreation program; ability to meet and deal with diverse people effectively; knowledge of budget function and administration. This position will be filled on a temporary basis since it is encumbered by an overseas employee with return rights. File applications for the above with Tina Lowe, Ph. 2723, Bldg. 34, Rm. 204.

Mechanical Engineer, GS-830 or Aerospace Engineer, GS-861-11 or 12, PD No. 7435004, (1 vacancy), Code 3525 — This position is located in the Systems Design Branch, RF Development Division, Electronic Systems Department. The position is that of a senior mechanical design engineer responsible for mechanical integrity of the Shrike guidance systems. Design and development of individual mechanical components and the overall guidance package for Shrike Missile systems. Will provide technical consultation to Center and contractor support groups. Assist in developing and evaluation of environmental test plans in light of missile requirements. Minimum Qualification Requirements: As defined in CSC Handbook X-118. Job Relevant Criteria: Experience and demonstrated ability in missile systems design and production engineering. Thoroughly familiar with environmental testing, with experience in missile guidance systems design. Ability to deal effectively with contractors. Advancement Potential: GS-12.

Electronic Engineer, GS-855-9/11, PD No. 7350092, Code 3507 — This position is located in the Production Group, Shrike/Standard Arm Program Office, Electronic Systems Department. The purpose of this position is to provide technical support to the Standard Arm Production Manager in the areas of guidance system design evaluation, test, and product improvement. The incumbent is responsible for evaluating guidance system design capabilities, and recommended changes, for performance, producibility and quality. The incumbent is also responsible for devising, monitoring and evaluating production acceptance test programs. Minimum Qualification Requirements: As defined in CSC Handbook X-118. Job Relevant Criteria: Experience in guidance system design determination. Capable of interfacing with, and coordinating the efforts of contractors and other government agencies. File applications for the above with Sue Prasolewicz, Bldg. 34, Rm. 206, Ph. 2577.

Aerospace Engineer, GS-861-11/12, PD No. 7240156, Code 4901 — This position is located in the Condor Program Office of the Weapons Development Department. The incumbent will be leader of the ASE integration team with members from NAVAIR, Rockwell International and Grumman Aircraft Corporation. He is responsible for establishing an ASE support plan by coordinating with the appropriate codes in NAVAIR, coordinating contractor personnel involved in Avionics support to assure adequate aircraft systems operation and record keeping for configuration control of Condor aircraft, 9 people and 6 aircraft components for follow-on version of Condor. Minimum Qualification Requirements: As defined in Handbook X-118. Job Relevant Criteria: Must have experience in aircraft radar, fire control, and navigation and avionics systems operation.

File applications for the above with Charlotte Siewkowski, Bldg. 34, Rm. 204, Ph. 3118. Clerk-Typist, GS-322-3 or 4, PD No. 7455006, Code 5584 — Applications will be accepted from current NWC career or career-conditional employees only. Position is located in the Systems Analysis Branch, Product Assurance Division of the Engineering Department. Incumbent provides clerical and typing duties for the Branch personnel, acts as receptionist, maintains Branch files, etc. Minimum Qualification Requirements: As defined in CSC Handbook X-118. Job Relevant Criteria: Must be a qualified typist. Ability to get along with others and ability to work under pressure.

Clerk-Typist, GS-322-4, PD No. 7455008, Code 5531 — Applications will be accepted from current NWC career or career conditional employees only. Position is located in the Guidance Branch, Product Design Division of the Engineering Department. Incumbent provides clerical and typing duties for the Branch personnel, acts as receptionist, maintains Branch files, etc. Minimum Qualification Requirements: As defined in CSC Handbook X-118. Job Relevant Criteria: Must be a qualified typist. Ability to get along with others and ability to work under pressure.

General Engineer, GS-801-12, PD No. 7455005, Code 5586 — Applications will be accepted from current NWC career or career conditional employees only. This position is located in the Reliability/Maintainability Branch, Product Assurance Division, Engineering Department. Duties include the planning of reliability tasks, performance of reliability tasks and the monitoring of contractor programs analysis includes vendor surveys, reliability prediction, allocation design assurance, specification; reliability program management. Minimum Qualification Requirements: As defined in CSC Handbook X-118. Job Relevant Criteria: Extensive electronics experience in performing engineering reliability tasks during design and development. Experience in part, component, and system qualification. Experience in implementing and monitoring reliability demonstration plans.

File applications for the above with Claire Lewis, Bldg. 34, Rm. 212, Ph. 2371. Electronics Engineer, GS-855-9/11, PD No. 7455007, Code 5532 — Applications will be accepted from current NWC career or career conditional employees only. This position is located in the Systems Electronics Branch, Product Design Division of the Engineering Department. Duties include design and development engineering and production engineering. Incumbent analyzes requirements for aircraft systems associated with airborne weapons/specifically aircraft fighter (VF) and attack (VA). Designs the system, establishes the configuration, specifies parts and tolerances. Prepares appropriate documentation. Minimum Qualification Requirements: As defined in CSC Handbook X-118. Job Relevant Criteria: Experience in instrumentation, electronic circuits, and electronic component development. Aircraft systems experience. File applications for the above with Wilma Smith, Bldg. 34, Rm. 204, Ph. 2925.

Electronic Technician, GS-856-8, 9 or 10, PD No. 7455009, Code 5531 — Applications will be accepted from current NWC career or career conditional employees only. This position is in the SPARROW AIM-7F test laboratory being developed by the Guidance Branch, Product Design Division of the Engineering Department. The incumbent will develop test procedures for a computer controlled test station that tests electronic circuitry of the Sparrow missile. Minimum Qualification Requirements: As defined in CSC Handbook X-118. Job Relevant Criteria: Experience in testing of electronic circuits and the use of the basic types of electronics test instruments; experience in trouble-shooting defective circuits; a good understanding of basic electronics theories, techniques, and terms; familiarity with standard electronic components and their uses and characteristics in circuit applications; laboratory experience in design or test of electronics circuits. File application for above with Wilma Smith, Bldg. 34, Rm. 204, Ph. 2925.

Employee In The Spotlight

George Scriven, an engineering technician in the Support Services Branch of the Test and Evaluation Department's Test Support Division has had many ups and downs in his life.

In and out of work for many years, including a hitch in the U. S. Navy and another one in the U. S. Air Force, George drifted around trying to find what he wanted out of life. In the Navy he worked in the engine rooms of the USS Curtis and the USS St. George, both Seaplane Tenders.

Became a Machinist

Following that, George entered the Frank Wiggins Trade School in his home town of Los Angeles, where he studied the machinist's trade. He put in some time working for General Motors in Van Nuys, and other firms until coming to China Lake in the fall of 1948. Disappointed because he didn't connect for a good job at NWC, George joined the USAF and was sent to machinist's school at Chanute AFB, Ill.

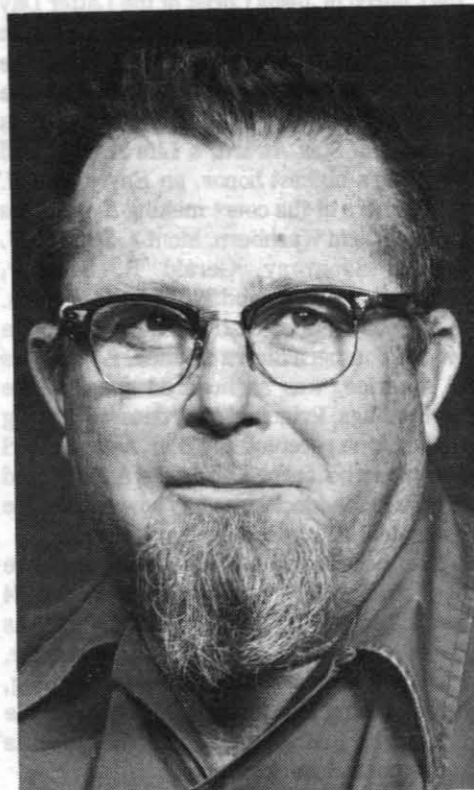
He worked at Sandia, in New Mexico, for a while, then he was transferred to McCord Air Force Base, in Washington, where he finished out his enlistment in December 1952. George returned to China Lake and was hired at the Salt Wells Pilot Plant as a limited machinist in January 1953. Eleven months later he was RIF'd.

RIF'd, Rehired

"I was pretty shaken up, but nine days later Code 3043 hired me as a machinist, and I've been with the Test Department ever since," he explained. Since 1955, George has been working with the Cinetheodolite cameras, doing trouble-shooting and modification work. In 1965, he was transferred to the ranges, where he still works.

He received a Superior Accomplishment Award in 1960 when he was sent to San Clemente Island to perform maintenance work on the cameras used there.

Perhaps George's transient background in his early days is responsible for one of his present activities. With the help of his wife, Alice, George is raising a foster son and the



George B. Scriven

couple has adopted two other children. "These kids needed a home and I tried to provide one for them," George said. "We've had other foster children, beginning back in 1966. At one time, there were seven in our house," he added.

Jerry, 14, the foster child, is a freshman at Burroughs High School, and the two adopted children are Lisa, 7, and Larry, 9. Lisa is a Filipino and Larry, according to George, is Filipino, white and Indian.

"They're great kids and Alice and I are fortunate to have them," George said.

Leads Quiet Life

The Scrivens enjoy rock hunting, and George likes to help the boys build model airplanes. He also does a lot of his own automobile repair work and he putters around in the yard.

Alice has a pair of poodles that she hopes to breed. In all, the Scrivens have five dogs and four cats. "It gets a little hectic, sometimes," George smiled.



Going to Work In the Dark Means Hazards

Getting to work on foot in the dark presents a problem. Many pedestrians are wearing dark outer clothing and cannot be seen very easily. The NWC Safety Department has received some accounts of near accidents. "The woman had on a dark coat with dark boots. I didn't see her until she was in front of the car."

With frost or rain on the windshield of the car, "I cleaned off the windshield before I left home but it had some condensation at the edges and I didn't see the man." It is harder for the motorist to see the pedestrian attempting to cross streets and roads even at marked crosswalks.

While the motorist must watch out for pedestrians at marked crosswalks, the pedestrian also has the responsibility to make sure that it is safe for him to cross. The driver's chances of seeing the person on foot are helped if the pedestrian is carrying a flashlight or using reflective material on clothing.

If the pedestrian waits until the vehicle has stopped before he uses the crosswalk, he has added assurance that he has been seen. Up to the individual to insure that the way is clear so he is in no danger. Many years ago a comic sketched a marker, captioned "Here he lies, he had the right of way." Legal rights do not insure safety. Take care.

The Rocketeer

Official Weekly Publication
Naval Weapons Center
China Lake, California

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Friday 1st and 3rd ONLY
Sabbath Services 2000
Saturday Sabbath School 0900

UNITARIANS
CHAPEL ANNEX 95
Services 1930



DIVINE SERVICES

PROTESTANT 1015
Sunday Worship Service 0900
Sunday School — All Ages 1130
Wednesday Noon Bible Study
Sunday School Classes are held in Chapel Annexes 1, 2, 4 (Dorms 5, 6, 8) located opposite the Center Restaurant. Communion Service first Sunday of the month.

ROMAN CATHOLIC
MASS 1700 fulfills Sunday obligation
Saturday 0700 0830 1130
Sunday

BLESSED SACRAMENT CHAPEL
MASS 1135 1700
Daily except Saturday
First Friday only

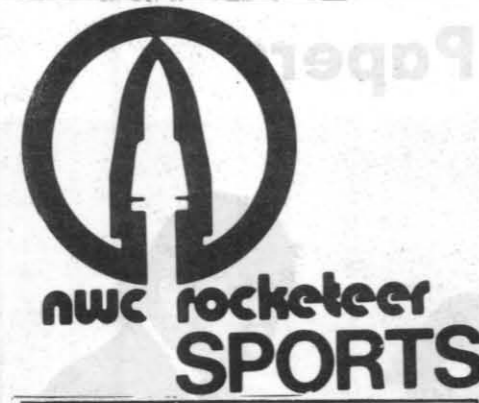
CONFESIONS 1545 to 1645
0800 to 0825
Saturday
Sunday

CCD CLASSES 1015
Sunday Kindergarten thru 8th grades
Wednesday Seventh and 8th grades
Above classes are held in Chapel Annexes across from Center Restaurant.
As announced

Ninth thru 12th grades
"In Home" Discussion Groups
Monthly Youth Rallies
Contact Chaplain's Office for specifics.

JEWISH SERVICES
EAST WING — ALL FAITH CHAPEL
Friday 1st and 3rd ONLY
Sabbath Services 2000
Saturday Sabbath School 0900

UNITARIANS
CHAPEL ANNEX 95
Services 1930



By Jack Lindsey

Well, the streak is ended at 88 games. It broke my heart to watch UCLA go down to defeat to Notre Dame last Saturday, but it reaffirmed my faith in humanity.

During the final three minutes of the game, UCLA obviously panicked. Coach John Wooden has tried to shoulder the blame for the loss, but the truth is that under the pressure of the crowd and with momentum in favor of Notre Dame, suddenly the whiz kids from Pauley Pavilion started doing things badly that they normally do quite well.

For instance, they allowed a man-for-man, full court press to bother them. I've seen them elude many full court presses in the past by simply using the speed that is theirs. They began passing sloppily, something they rarely do. They took low percentage shots instead of moving the ball around to where they could take a high percentage shot.

All in all, it means that even UCLA has feet of clay, something I'd nearly forgotten. I watched Notre Dame beat them three years ago, and I was watching when Houston beat them. I was also watching when Houston was humbled during the rematch.

I'll be watching tomorrow night as the UCLANS demolish the No. 1 team in the nation. I'm sure it will be by enough points to put the Bruins back on top in the polls. Probably somewhere around 10-15.

And I'll be watching when they take the NCAA crown, too.

Cross Country Tourney

Tomorrow, nearly 70 golfers will tee off on a brand new golf course at China Lake. The first tournament of the year is usually a cross-country tournament, and Dick Clay, vice-president and tournament director of the Men's Golf Club, has devised a tortuous, long, winding and sandy course for the golfers to play on, using the original 18 holes cut down to 15.

It should be interesting and one of the pieces of equipment I plan to carry in my golf cart includes a survival kit. It could come in handy.

Remember: there are babes in the woods.

Even little fires kill little trees. Won't you be extra careful with fire this year!



TEXAS INSTRUMENTS STAYS ON TOP — Texas Instruments held on to its unblemished record last Wednesday evening by topping the Roaches, 80-50, in a Division A contest of the China Lake Intramural Basketball League. TI is now 7-0. In the photo above, Ted Bailey (44) and Duke Martin (30), defend for TI against an unidentified Roach. Jim Bevin (5), TI forward, watches.

TI Continues Unbeaten String To Lead Division A Standings

The Texas Instruments cagers, led by high-scoring Ted Bailey, lead the standings in Division A of the China Lake Intramural Basketball League after seven games. The team is undefeated.

Tied for second place with 4-2 records are the Desert Pioneers and the New Breed cage squads. Loewen's TV is ranked third with a 4-3 record, and the NAF hoopers have won four while losing the same amount.

Bringing up the rear are the Roaches (1-6) and the VX-5 Vampires (0-6).

Division B Standing — BF Dispensary remains undefeated after six

Drive With Care In East Parking Lot At Michelson Lab

The east parking lot of Michelson Laboratory will receive new stop signs and arrows painted on the street pointing out the traffic pattern.

Some parking slots will be marked for "small cars only" and one slot where parked cars block the view of oncoming traffic will be eliminated by painted bars on the pavement.

Care should be taken in the area this coming week, when the work will be done.

Special Education County Bowling Tournament Set

Seventy-six Special Education Class bowlers from throughout Kern County will converge on the Ridgecrest Bowl Feb. 2 to compete in team and singles competition as the first leg in a state-wide tournament.

Entered will be the team from the Indian Wells Valley, coached by Maury Coleman, that took first place in the Classic Division last year while bowling at the County finals.

Competition will begin at 11 a.m. with a dinner to follow the tourney at the Ridgecrest Elks Lodge for competitors. All spectators are welcome.

Youth Cage Play Enters Third Week Of Competition

The Bulldogs lead the standings in the Instructional Division of the Youth Basketball League with a perfect 2-0 record. In second place are the Jets, who have won one game and lost none.

Others in the division are the Hot Shots (1-1), the Red Devils (0-1), and the Terriers (0-2).

Sitting on top of the standings in the Intermediate Division are the Huskies and Hawks, who have won two games and lost none. Residing in second place with identical records of 1-1 are the Spartans and the Indians. The Cougars, Trojans and Bruins have each lost one game, and the Bears have lost two games.

Three teams are tied for the division lead among Junior teams. They are the Braves, Cavaliers and Stars. Each team has won one game and lost none.

The three teams that lost to the leaders are the Rockets, Sonics and Trail Blazers. The Suns have yet to play.

In the Senior Division, the Bullets have won both of their games to lead the standings. Teams with one win and no losses are the Bucks and the 76ers.

The Celtics have won and lost a game, while the Knicks and Royals have lost both of their contests thus far this season.

In the High School Division, the Conquistadores sport a 2-0 record to top the standings. The Lakers and Pistons have each won one game and lost one, while the Warriors have dropped both of their decisions this season.

Gymnastics League Now Under Way

At Burroughs High

Students at Burroughs High School will now be able to earn a varsity athletic letter in gymnastics, thanks to efforts of local gymnastics instructors that have culminated in the forming of a gymnastics league.

"We're really excited about this," said B. J. Peck, the gymnastics coach at Burroughs High School. For the first time a league of gymnasts to the high school level will compete. The meet is scheduled for Saturday at Joshua Hall, located on the Ridgecrest Fair Grounds, beginning at 10 a.m.

Today, an intersquad gymnastics meet will be held at 4 p.m.

Five teams will compete in the meet tomorrow. They are the Valley Amateur Gymnastics Association, a private club from Bakersfield; South High School, Bakersfield; Tehachapi High School and Junior High School; the Ridgecrest Recreation Department, and Burroughs.

Admission is free and the public is invited.

Swim Instruction For Tiny Tots Set By Special Services

Swimming instruction for tiny tots and women will begin on Monday, Feb. 4, and will continue every Monday for eight weeks.

Adrienne Swinford, class instructor, has stated that registration will be held at the gymnasium office between 9 a.m. and 2 p.m. until Feb. 4.

Tiny Tots classes will be held according to the following schedule:

9 to 9:30 a.m., tots 6 mo. to 18 mo. of age; 9:30 to 10, for babies 1 1/2 to 2 1/2 yrs. of age; and 10 a.m. to 10:30 a.m. for those 2 1/2 to 4 yrs. of age. Registration fee is \$4. A parent must be in the pool with the child.

Women's Classes

The women's classes will be held from 6 to 7 p.m. on Mondays. A registration fee of \$8, paid in advance, will be charged.

Persons desiring further information may call the gymnasium, NWC ext. 2334.

NWC Women's Team Takes Volleyball Title

A varsity girl's volleyball team, led by Marla McBride, entered the California City Invitational Volleyball tournament this past weekend and brought the first-place trophy back to China Lake.

The team won six games without a defeat. They were victorious over teams from California City, Boron and Tehachapi.

Outlook...

(Continued from Page 1)

NWC's overall budget for this year is up about 20 million dollars, to total about 200 million dollars, RAdm. Pugh told his listeners. Around 95 million of these dollars will go for salaries. "I suspect that much more of those payroll dollars will flow into the Kern County economy than previously," the admiral speculated, noting that there will be decreased mobility during the year ahead.

About 20 per cent of the 90 million dollars budgeted for procurement of official goods and services will be spent in this county. Maintenance and minor construction will cost the Center about six million dollars, with about 75 per cent of that figure going to local contractors, the NWC commander said.

Healthy Growth Signs

Stating that private economy of eastern Kern County continues in a strong position, the admiral recapped healthy signs of economic growth in Indian Wells Valley this past year, mentioning 10 million dollars in building permits issued by the City of Ridgecrest; the new Kern County Civic Center now under construction in Ridgecrest, with plans for a new post office to be built adjacent to it; the increase of Ridgecrest population with the annexation of 600 Navy houses; the completion of the first increment of Cerro Coso Community College; the unification of the two existing elementary school districts and Burroughs High School; and the recent completion of a two million dollar construction project for China Lake's elementary schools, including the new Special Education Facility, libraries and a music room.

Industrial Funding Concept

RAdm. Pugh discussed the "industrial funding" concept under which the Center operates. "We adjust overhead rates periodically to achieve zero profit and zero loss," he said. "We must sell our products to a potential sponsor." Once a product is agreed upon, the Center must negotiate with the sponsor and, essentially, sign a contract. "This method of doing business allows us to determine a price tag for project work and makes us competitive," he explained.

Stating that the Center intends to "remain competitive in the face of level funding where the defense dollar is paying for fewer man hours every year," the admiral said, "We also want to contribute effectively to future naval needs as we face the realities of an austere defense budget."

RAdm. Pugh concluded with New Year's best wishes for Kern County and a statement that "I believe that China Lake will continue to be one of the Navy's foremost laboratories and that Kern County economy will continue to benefit from the Center's presence."

Don't Turn Off Lights NWC Cyclists Warned

Complaints of motorcyclists and bicyclists turning off their lights while going through the main gate have been received by the Safety and Security Departments from motorists. By turning off their lights, the two-wheeled vehicles become extremely hard to see.

As a result of the complaints, the two-wheelers are asked NOT to turn off their lights when coming through the gates. If the cycle has a low beam, then the operators should switch to that beam.

Auto and truck drivers will still be required to switch off their lights, as usual. Present NWC Instruction 5560.2B will be amended to include this change in procedure.



SEABEE INSPECTION — Cdr. Roger W. Muir, Commanding Officer of Reserve Mobile Battalion 17, is shown during a recent inspection of Seabee Subunit 11-2, held at the NWC Community Center. This is the first visit here as battalion commanding officer for Cdr. Muir, who took command last July. The battalion, headquartered in Ft. Huenueme, covers a large area of Southern California, extending into Arizona and Nevada. Also visiting the local subunit for Cdr. Muir's administrative and personnel inspection were the battalion chaplain, Lt. Cdr. Kenneth L. Hodder, Builder Senior Chief John Eode, and Gunnery Sgt. Robert F. Hughes, Marine military advisor to the battalion. Seabee Subunit 11-2 is commanded by LtJg. Stephen P. Bovee.

Watch the Sky Tomorrow

If you get up tomorrow morning in time to be at the Inyokern Airfield at 8, the High Desert Detachment of Marine Corps League guarantees you a day filled with action, color and excitement. The Third Annual Inyokern Intercept will bring a host of famous aerobatic experts, hot-air balloon flights, a model plane school, a glider contest and guide dog demonstrations to Indian Wells Valley, all for a \$2 donation.

The Inyokern Intercept is dedicated to the support of blind Marine veterans as they receive guide dog training, to the involvement of youngsters in the world of aviation, and to the spirit of aviation.

Receipts from the show will be donated to Guide Dogs for the Blind, Inc., to contribute to the guide dog training of blinded veterans. Through the benefits derived from the past two shows, it has been possible for the Detachment to sponsor the guide dog training of a Marine Corps veteran and an Air Force veteran.

Famous pilots donating their skills in the air to the show will be Bob Hoover, Mira Slovak, Ken Brock, Bill Porter, Gerry Massey, Cliff Anderson, Jim Barnard, Pat Hines, Jim Lasley, Al Newell, Bob Guilford



TO APPEAR AT AIR SHOW — A well-known aerobatic pilot from Delano, Gerry Massey is shown here with his Meyer "Little Toot," a homebuilt airplane. Massey is paying a repeat visit to the Inyokern Intercept airshow, scheduled for tomorrow at 12 noon at the Inyokern Airport. Last year's airshow visitors will remember Massey's spectacular Hammerhead Turns, Tail Slides, Snap Rolls and Inside and Outside Loops. Many other air stars are also scheduled to perform for the show, sponsored by the High Desert Detachment of the Marine Corps League to benefit Guide Dogs for the Blind.

Citations...

(Continued from Page 1)

Beardsley, still monitoring Shire's broadcasts, was simultaneously directing other China Lake Police units to his assistance, as well as notifying Ridgecrest Police units that China Lake officers were pursuing the suspect into their city.

Officer Shire's Letter of Appreciation brought out the information that, during his pursuit of the vehicle, he adhered to proper police procedure by continuing to follow the suspect without alerting him, in order to wait for assistance. When he was joined by Officer Hoffpauir, the two men overtook the suspect after selecting an advantageous location (far enough away from the heavy business area on W. Ridgecrest Blvd.), and stopped the vehicle. Shire and Hoffpauir held the suspect until the Ridgecrest Police arrived and took charge of him.

The three officers were cited for their coolness, quick thinking and highly professional actions in the Letters of Appreciation from RAdm. Pugh.

"The highly competent job done by these three officers clearly points out the caliber of personnel now joining the China Lake Police Division," said Chief Stephen Kaupp. "These officers are the newest officers on our force," he added.

"Their behavior and professionalism exhibited during this emergency is a credit to every officer who serves on the China Lake police force," he concluded.

Assembly Approves State Park Status For Red Rock Canyon

The California Assembly recently approved a measure authored by 28th District representative Ray Gonzales, redesignating Red Rock Canyon as an official State Park. The canyon, located in Kern County, had previously been designated as a Recreation Area by the State Park and Recreation Commission.

After investigating charges that the commission had succumbed to heavy lobbying by off-road vehicle groups based outside of the county, the 28th District representative introduced legislation to reverse the commission's decision. He personally felt that the designation of the canyon as a Recreation Area was a violation of the intent of the Legislature when it first set aside the Red Rock Canyon area several years ago.

"I am pleased that my colleagues have indicated by their vote that this important natural wonderland should be preserved," said Gonzales.

"My bill provides that the canyon will be preserved as a State Park with designated routes of travel for off-road vehicles. With these provisions, I believe, the canyon shall be maintained and enjoyed for many generations to come," he concluded.

The legislator's bill, which is co-authored by State Senator Walter Stiern, now must go to the Senate for final approval.

CPO Wives Club Holds Installation Dinner

The annual installation dinner for the CPO Wives Club will be held tonight at the CPO Club. A cocktail hour will begin at 6:30 p.m., to be followed by the installation ceremonies and dinner at 7 p.m.

The mistress of ceremonies will be Jan Parker and acting as installing officer will be Clarine Pugh. The new officers to be installed are Chris Emert, president; Bernice Hicks, vice-president; Charlotte Murray, secretary and Sandra Bozony, treasurer.

The major project of the CPO Wives Club is the support of two Indian children through the Christian Children's Fund. Also, this year the club has become interested in helping the Mentally Retarded Adults of the community.

Education Office Announces NWC and USC Fellowships

(Continued from Page 1)
winter quarter at the University of Utah in Salt Lake City, Jain plans to achieve a master's degree in Engineering Administration.

Michael P. Spowart — A bachelor, Spowart has been at NWC for a year. He has received a bachelor's degree in Mechanical Engineering from the University of Hawaii and a master's degree in Mechanical Engineering from the University of Colorado. Spowart is now on-campus at the University of Washington, where he plans to earn a master's degree in electrical engineering, with specialization in control theory. Spowart's hobbies encompass all types of active, outdoor sports.

USC FELLOWSHIPS

Clifford J. Warner — A Master's degree in electrical engineering is the goal of Warner, who plans to specialize in communications. A bachelor, Warner has been at NWC for a little over a year. He holds a Bachelor's degree in electrical engineering from California State University at Fresno.

Thomas J. LaJeunesse — After receiving a Bachelor's degree in aerospace engineering from the University of Arizona in 1970, LaJeunesse came to China Lake. He and his wife, Betty, have a son, Paul. Hobbies for LaJeunesse include sports and photography. On-campus at USC he will complete his Master's degree in electrical engineering, with a specialization in control theory.

G. Brad Royer — A relative old-timer at China Lake among fellowship recipients, Royer has been here since 1969. He has a wife, Shirley, and enjoys bird hunting and bowling. He earned a Bachelor's degree in electrical engineering from Washington State University, and plans to complete his MSEE at USC with a specialization in control theory.

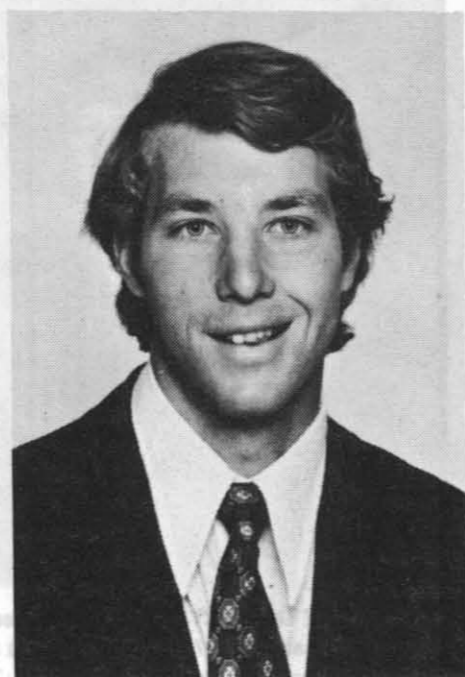
Charles G. Thurman — Another graduate in electrical engineering from Washington State University, Thurman has been at China Lake since late 1970. He and his wife, Judy, lead an active life, with golf, hunting, fishing, and backpacking figuring in off-the-job activities. Thurman will specialize in control engineering during his on-campus studies at USC.

Fellowship Deadline

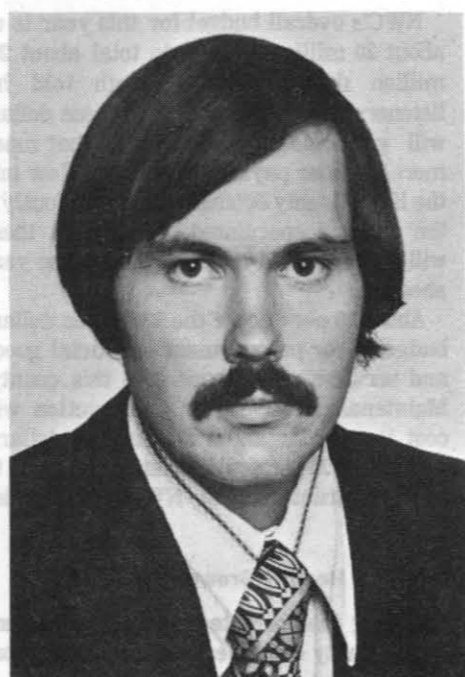
Other potential applicants for NWC Fellowships and extensions are reminded that the deadline is coming up for the summer and fall terms. The NWC Education Office must have all paperwork completed for these applications before March 1. Since all applications must have prior endorsement at the department level, it is requested that these applications be submitted to departments by Friday, Feb. 15. Additional information on NWC Fellowships may be obtained by contacting the Education Office, NWC ext. 2641.



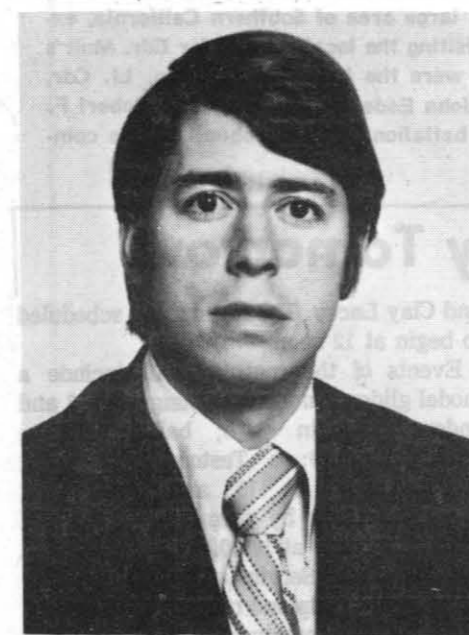
Ravindra Jain



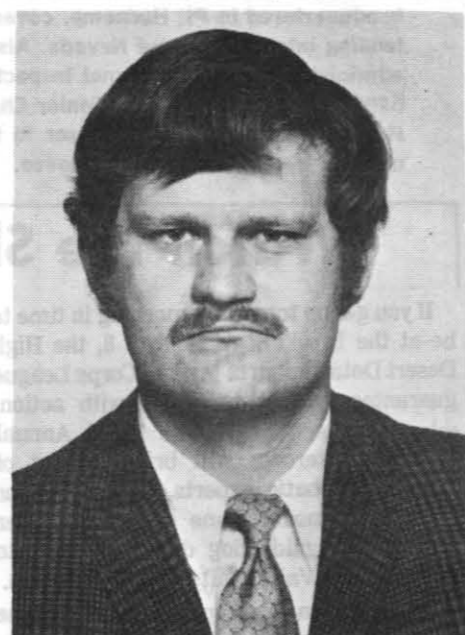
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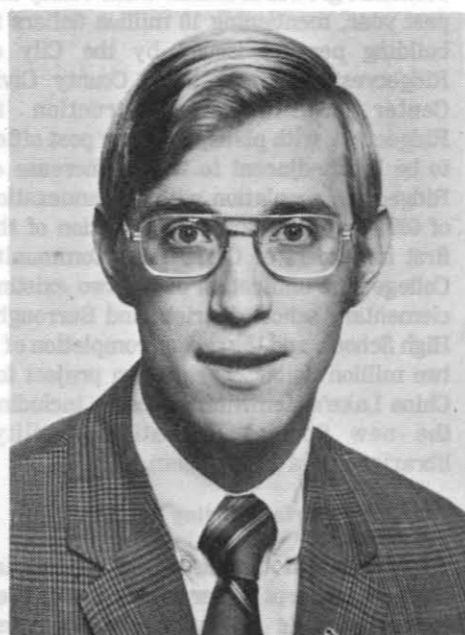
Clifford J. Warner



Thomas J. LaJeunesse



G. Brad Royer



Charles G. Thurman

Paper Shortage Reaches Acute Stage

By Nancy Jones

Remember the days when salt was worth its weight? Well, due to the current paper supply crisis the United States has undergone, paper currency may be no more. A rag and pulp shortage is hampering production at the firm that makes the special paper on which new U. S. currency is printed.

However, this paper supply problem encompasses all grades of printing papers and faces the entire printing industry. The demand for paper and pulp products is at an all-time high, from toilet tissue, grocery bags and corrugated boxes, to newspaper and fine stationery.

According to Circular Letter No. 107, from the Office of the Public Printer, the shortage may continue for several years. Price controls have caused low rates of return for paper sold in the U. S. Low profits in the paper industry for several years discouraged capital expansion, and now that demand is climbing, the companies are caught without adequate capacity. Recent bid invitations for paper have yielded only 50 percent coverage and prices have increased sharply. In the last 18 months paper costs have risen approximately 70 percent.

Requests for printing and binding resulted in an alarming decrease in the number of bids received from commercial printing firms.

Paper Firms Pinched

Other shortages—chlorine for bleaching, caustic soda for pulp processing, starch to give paper stiffness—have pinched paper firms. Until demand levels off and the productive capacity catches up, the U. S. will be living with spot shortages of paper products.

How is the Government faring? Government paper supplies are the lowest in history. The Government Printing Office stocks of corrugated cartons, publication-grade paper and newsprint are at their lowest levels ever. The Federal Supply Service notes that the government bureaucracy also is feeling the paper pinch as office stationery, manila folders and envelopes are being delivered months late, if at all. Supplies of brown wrapping paper and scratch paper are diminishing.

The Office of the Public Printer is working closely with the Joint Committee on Printing and officials of the American Paper Institute to obtain enough stock for our most critical requirements. All-out efforts to obtain printing and binding for customer agencies have been met with diminishing success as the paper supply crisis becomes

more acute.

Helpful Steps

What can Federal employees do to help the situation? To ease the Government paper shortage and to ensure printing of high priority work, the Office of the Public Printer through Circular 107, has come up with a few steps that can be followed to help:

1. Order only that printing determined to be necessary for office functions;
2. Reduce quantities ordered to absolute minimum;
3. Prepare copy and artwork to conserve space;
4. Eliminate unnecessary pages by editing text which can be deleted; and
5. Carefully review and preplan all essential work to allow increased lead time for procurement of paper.

Any other steps that can be taken to conserve the overall use of paper within government agencies will, of course, contribute to the alleviation of a most serious situation.

Music Parents Club Raises Funds With Recent Bottle Drive

A total of \$297.95 was raised during the annual bottle drive sponsored by the Music Parents Club of China Lake last Saturday.

Eleven adult drivers and 45 students joined forces to top all previous bottle drives held by the club. The money raised was added to the \$299 raised at the WACOM Bazaar last year through candy sales, giving the club a total of \$596.95.

Last year, nine music students were sent to Arrowbear Music Camp at a cost of \$945. The Music Parents Club will hold a book sale in March. Anyone having books to donate is asked to bring them to the Murray Music Building or call Mrs. Hector Leon at 375-7778.

RESA Honors Research Papers

Awards for outstanding publications of the past two years were recently presented to Dr. Roy Leipnik and Dr. Dan Gillespie by the China Lake Branch of the Research Society of America. Both of the Research Society scientists were honored for finding mathematical solutions to problems in experimental physics.

The Leipnik paper, "Rapidly Convergent Recursive Solution of Quadratic Operator Equations," was a breakthrough in computing methods used for solving problems in fields as diverse as molecular physics and missile guidance. The technique he devised greatly reduces computing time and permits the analysis of problems previously considered too unwieldy even for modern high-speed computers.

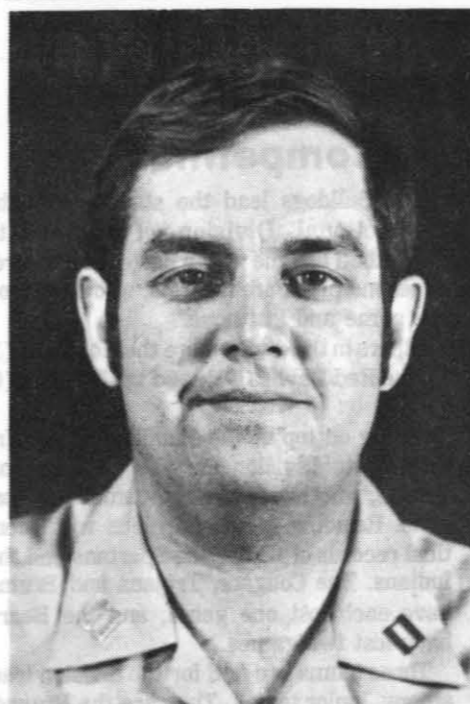
Gillespie's work entitled "The Stochastic Coalescence Model for Cloud Droplet Growth," was a rigorous derivation of equations which describe the process of raindrop formation in saturated clouds. It provides workers in atmospheric physics with a mathematical model that is useful in predicting the effect of artificial rainmaking experiments.

Both of the award-winning papers were selected by a local judging committee assisted by scientists from other Southern California facilities. Publications of local researchers in chemistry, physics, mathematics and earth sciences were submitted for the awards.

The Leipnik paper appeared in "Numerische Mathematik," an international journal devoted to numerical analysis. Dr. Gillespie's work was presented in the "Journal of Atmospheric Sciences." Both authors have also written larger scientific works—Gillespie, a college-level text titled "A Quantum Mechanics Primer," and Leipnik, a two-volume work, "Sources of Plasma Physics" with H. S. Green of Alstralia.



LOOKING OVER THEIR FIGURES — Dr. Dan Gillespie (l.), and Dr. Roy Leipnik, research scientists of the Research Department, check their figures from the computer used in two outstanding publications authored by the men. They were honored by the China Lake Branch of the Research Society of America recently for the publications. Helping them is Candy Kunz, an employee of the Simulation Lab Branch in the Weapons Development Department's Aeromechanics Division. —Photo by PH3 Jerry Sizemore



NOW WITH VX-5 — The new training officer of Air Test and Evaluation Squadron Five (VX-5) is Lt. Daniel G. Harvey, Jr., a veteran of 6½ years service in the Navy, who reported here from Attack Squadron 153, based at the Lemoore Naval Air Station. As the pilot of A-7A Corsair II aircraft, Lt. Harvey served with VX-153 at Lemoore during two combat cruises aboard the aircraft carrier USS Oriskany prior to his present assignment with VX-5. A graduate of the NROTC program at the University of Wisconsin in 1967, Lt. Harvey underwent flight training and received his wings in October 1968 at NAS, Beeville, Tex. After serving as a flight instructor in a training squadron at Beeville, Lt. Harvey was transferred to VA 125 at Lemoore. He was accompanied to China Lake by his wife, Linda, and their 2½-year-old son, Geoffrey.

One-Act Tryouts Set

Tryouts for three one-act plays will be held by Theater 27, the drama class of Cerro Coso College, on Jan. 29, 30 and 31, in the new lecture hall at the college. Tryouts will begin at 7:30 p.m. on all three dates. The plays are "The Sand-box," to be directed by Marijean Ackers, "The Apollo Bellac," directed by Robbie Robbins, and Loren Dorrell will direct a melodrama, entitled "Dora, the Beautiful Dishwasher, or the Heroine Who Cleaned Up."

HAPPENINGS AROUND THE CENTER

The All Faith Chapel will present Alfonso Vega-Nunez, organist of the famed Cathedral of Morelia, Mexico, on Sunday, Feb. 3, at 7:30 p.m.

Dr. Nunez is internationally known as one of the great organists of the day. The concert at China Lake will be the beginning of a tour across the southern portion of the United States. Spanish, Mexican, Latin and South American music will be presented.

Choir Concert Offered

The Lecture Center at the new Cerro Coso Community College building will be inaugurated Monday evening when, for the first time, it will serve as auditorium for a college function.

Renaissance and late Baroque music will be offered by the Cerro Coso Chamber Choir, under the direction of Gordon Trousdale. This small, but dedicated, group of local musicians will perform at 8 p.m. The public is invited.

Film-Making Discussed

The film world at NWC will be the subject of the January meeting of the Society for Technical Communication. Marty Shelton, head of TID's Film Projects Branch, will present several short unclassified films, and will discuss techniques and problems connected with technical film-making.

All interested persons are invited to the meeting, to be held at 7:30 p.m. on Thursday in the Management Information Center, next to the main lobby in Michelson Laboratory.

COM Dance Set

The Good Time Music Co. will provide music for dancing tonight at the Commissioned Officers' Mess for members only from 9:30 p.m. to 1:30 a.m.

Prior to the dance, Jeffrey Eden, a well-known Southland stand-up comic, will present a floor show from 8:30 to 9:30. Happy Hour prices will prevail all evening. Patti and Ronnie Thompson will be on hand to sing during the dinner hour.

Aliens Must Report

Aliens living in the United States must report their addresses during the month of January. Alien Address Report Cards are available at any U. S. Post Office.

Aliens who are outside of the United States during the month of January must report their current address within 10 days of their return. Failure to do so may incur severe penalties, including deportation for

non-compliance of existing laws.

Model Plane Club To Form

Persons interested in forming a Radio Control Flying Club for gasoline-powered model airplanes and gliders, are asked to attend a meeting at Phil's Hobby House, 145 Panamint St., Ridgecrest, on Wednesday, Jan. 30. The get-together will begin at 7:30 p.m.

Purpose of the proposed club will be to improve flying safety, hold events, and assist others interested in RC flying.

Persons desiring more information should call Phil Kasimatis, 375-5777, or Wayne Stowe, 375-2632.

Dance At Chaparral

This evening a dance is scheduled at the Chaparral Club. Dinner is to be served from 6 to 9 p.m. Jeffrey Eden, a stand-up comic, will perform from 10:30 to 11:30 p.m., followed by dancing to the music of the "El Batuka Band" from 9 p.m. to 2 a.m.

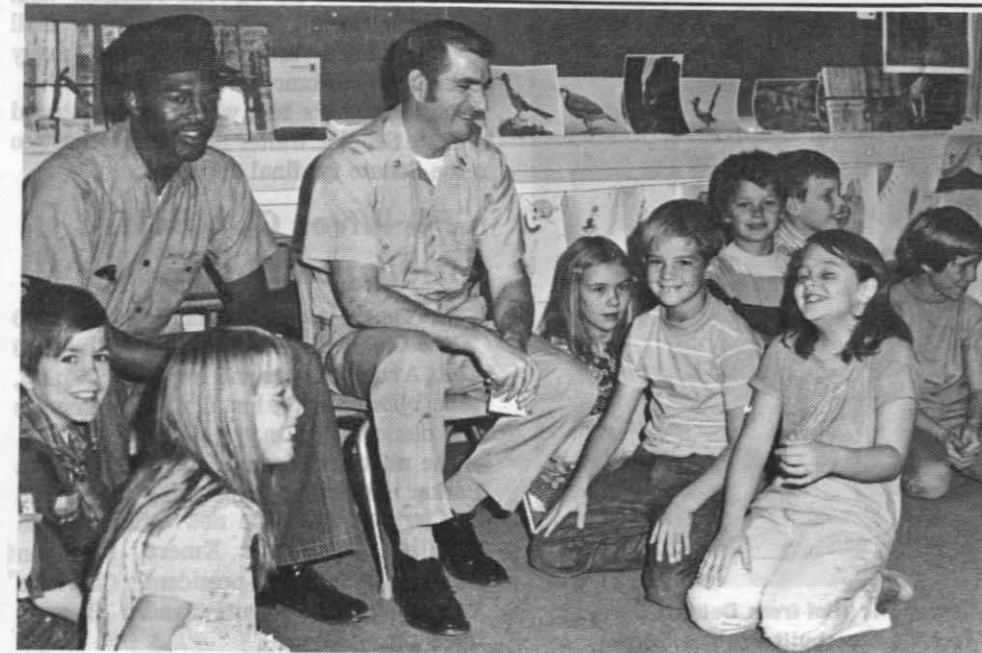
Adult Religious Class

The NWC Chapel will offer an adult religious class starting Tuesday, Jan. 29, at 7 p.m. in the conference room of Chapel, Annex 4. The class is designed to help anyone wishing to know more about the Catholic faith or wishing to become a member.

Married couples who are not both of the Catholic faith would also enjoy the class. Those interested in joining the class please contact the Chaplain's office, NWC ext. 3506.

China Lake on T.V.

NBC News will present a one-hour special edition on Channel 4, Los Angeles, at 10 p.m. on Sunday. This special will include a 20-minute segment concerning the transportation of hazardous materials by rail car. A part of this segment was filmed at China Lake and deals with efforts to implement safety factors for explosives being transported by the railroads.



RAP SESSION — Racial awareness facilitators (l. to r.) ADJ3 Bennie R. McCargo, Jr. and Chief Chester C. Tussey recently gave a racial awareness program to the Murray School Annex fourth graders. The program was designed to expose the children to racial dignity, equality, prejudices and the civil rights movements taking place in the world today. The children enthusiastically took part in the discussions.