

Dental Treatment Set for Military People On Center

Naval Weapons Center Dental Department personnel will administer the Navy three-agent stannous fluoride treatment to military and retired military dependent children, six years of age and older, from Monday, December 18, through Friday, December 29, at the Center Hospital Dental Clinic, according to dental officials.

The three-agent stannous fluoride application consists of a polishing with a paste rubbed over the teeth with a small rubber cap, then a topical liquid which is rubbed over the teeth by a cotton swab. The third and most important step of this treatment is daily tooth brushing after every meal.

Dental officials said that NWC Notice 6620 has been mailed to all active duty people. Persons not receiving this notice may obtain one by going to the Dental Clinic appointment desk in the Center Hospital.

Dental officials here urge all qualified people to take advantage of this outstanding decay preventative treatment.

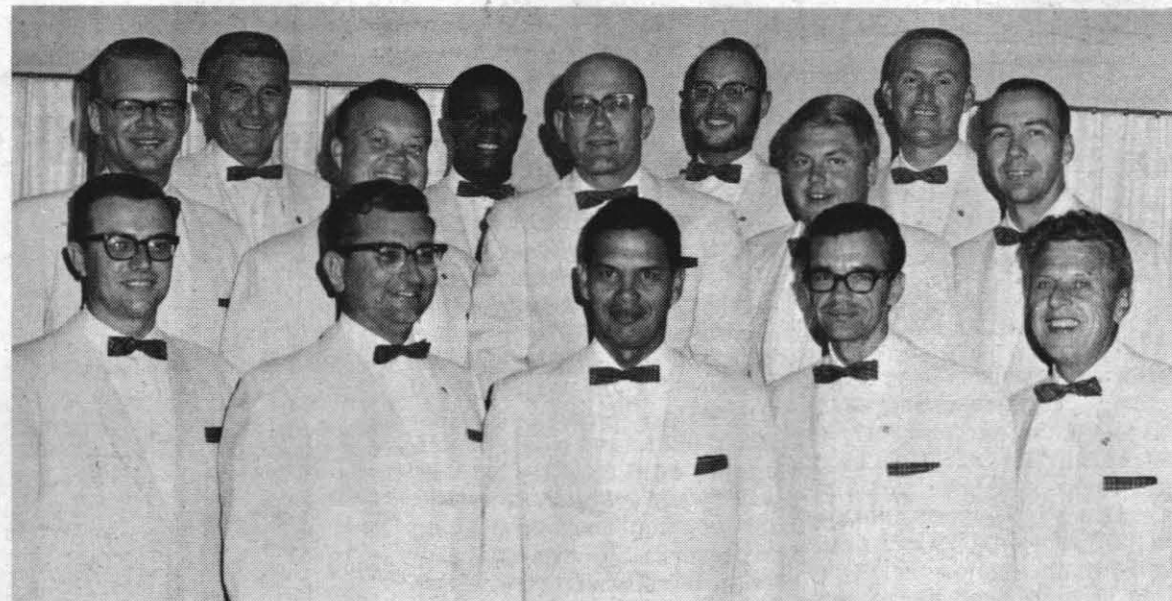
'How the West Was Won'--Theme For Academy Choral

"How the West Was Won" is the musical theme to be presented by the 26-member Newbury Park Academy Chorale, under the baton of Estyn Goss, tomorrow at 8 p.m. in the Desert Park Cafeterium.

Featuring Halcyon Hamel, classical guitarist; Ron Cafferky, violinist, and organ accompanist, Steve Denmark, the group will render choral music to include works of composers Bartok, Vaughan Williams and Palistrina.

Several novelty and instrumental numbers will also include a string ensemble, a guitar group singing "And They Call the Wind Maria," and a brass ensemble.

All interested persons are cordially invited to attend this evening affair. Additional information may be obtained by calling Mrs. Barbara Grounds, phone 375-2884.



OLD-TIME SONG — The chorus of the Valley's Society for the Preservation and Encouragement of Barber Shop Quartet Singing in America (S.P.E.B.S.Q.S.A.) will perform as part of a music program of barber-shop quartets and choruses next Saturday, Dec. 2, in the James Monroe School auditorium, starting at 8 p.m. Members of the chorus are (front, l-r) Helmut Dost, Howard

Hirschy, Clay Panlaqui, John Anderson, Ray Becker. In middle row (l-r) are Bill Zinn, Charles Wilhite, Tom Leese, Earl Sherburn and Wayne Carpenter. In rear (l-r) are Henry Wair, Bill Parrish, George Ohleyer and Warren Stump. The chorus will be directed by Lyman Van Buskirk. Another feature will be the Sidewinders Four from Riverside. All Center personnel are invited to attend.



ONCE-OVER, ONCE AGAIN — With opening night of the Burroughs High School production of Thornton Wilder's "Our Town" at hand, these leading student-actors go over the script again to polish approaches, meanings, ideas. Blaine Davies (Dr. Gibbs) and Mary Suydam (Mrs. Gibbs) look over the shoulders of (l-r) Lee Huff (Stage Manager-Narrator), Deanna Lotee (Emily Webb) and Mike Romanum (George Gibbs). "This play is ideal for us," comments Allan Kubic, director and BHS teacher. "It fits no particular time, but any time fits the play." The cast of 34 students will present "Our Town" at 7:30 tonight and tomorrow night at the High School multi-use room.

1967's Catholic Dance, Banquet Is Held Tonight

The fifth Annual Catholic Dinner Dance sponsored by the Catholic Chapel of China Lake will be held tonight at the Community Center. The evening will begin at 7 p.m. with a Happy Hour, followed by Champagne Dinner at 8. The Esquires will play from 9 to 1 for the dance.

This year's theme, "Christmas Tree Lane," will be reflected in the giant Christmas tree decorations hanging from the ceiling and walls of the Community Center ball room. Reservations for the dance closed on Monday, November 27.

Don't make sudden steering movements or oversteer on turns.

SHOWBOAT

FRIDAY DECEMBER 1
"THE BIG MOUTH" (107 Min.)
Jerry Lewis, Susan Bay
7:00 P.M.

(Comedy) Jerry goes fishing and latches on to a secret that there is a fortune in diamonds hidden in a nearby hotel. His merry mix-ups with gangsters and two pretty girls leave a hilarious trail of fun. Laugh a minute Lewis! (Adult, Youth, Children.)
Short: "Destination Moscow" (7 Min.)

SATURDAY DECEMBER 2

MATINEE
"GULLIVER'S TRAVELS" (87 Min.)
Feature Cartoon
7:00 P.M.
Shorts: "Timber" (7 Min.)
"Captain Marvel" No. 12 (Last)

EVENING
"HELL ON WHEELS" (96 Min.)
Marty Robbins, Gigi Perreau
7:00 P.M.

(Racing Drama) Two brothers run into discord when one becomes jealous despite the efforts of a third brother to patch things up. Stock car racing and moonshiner "tankers" plus bevy of beautiful gals highlight this thriller. (Adult, Mature Youth.)
Short: "Ski Boom" (9 Min.)

SUNDAY DECEMBER 3
BAKERSFIELD JUNIOR COLLEGE CHOIR
8:00 P.M.

MONDAY DECEMBER 4
"DIVORCE-AMERICAN STYLE" (109 Min.)
Dick Van Dyke, Debbie Reynolds, Jean Simmons
7:00 P.M.

(Comedy/Drama) Take a 17 years married, financially successful man and leave him with \$87.50 per week after divorce, add an attractive divorcee (whose former husband wants her to marry so he can get off the hook) and it's a FUN RIOT! (Adult.)
Short: "Speedy Goes to Town" (7 Min.)

TUESDAY-WEDNESDAY DECEMBER 5-6
"TWO FOR THE ROAD" (111 Min.)
Audrey Hepburn, Albert Finney
7:00 P.M.

(Comedy/Drama) This road to fun, romance and adventure finds Audrey meeting Albert while on a European tour. Their marriage and further tours produce a superb drama of ups and downs, both spicy and frankly stated. (Strictly Adult.)

THURSDAY-FRIDAY DECEMBER 7-8
"THE AGONY AND THE ECSTASY" (136 Min.)
Charlton Heston, Rex Harrison, Diane Cilento
7:00 P.M.

(Spectacular) The historic conflict between Michelangelo (Heston) and Pope Julius II (Harrison) is a fascinating story of ancient Rome. The famed works of art compete with scenes of the Pope's warring armies. It's a BIG film. (Adult, Youth, Very Mature Children.)

Corona Firemen Collect Toys For Christmas

Laboratory employees are urged to bring unwanted, but usable, toys to the Corona Laboratories for the needy children in the community. Boxes located at the Main Gate, Gates 11, 22, and 23 will be emptied daily by our Laboratory firemen who will then deliver the toys to the Norco Fire Department.

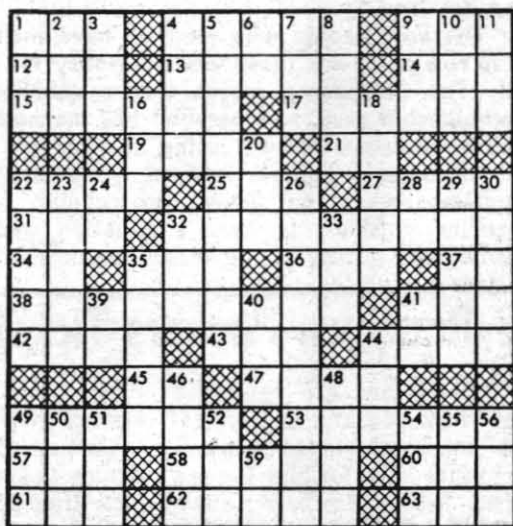
The city firemen have a production line in operation where repairing and repainting takes place. The finished toys will be delivered bright and shining on Christmas day.

Worn out or unrepairable toys cannot be used, but other playthings including dolls, bicycles, etc., will be welcome. If the toys need a "tune-up" get them in early.

You may have to stop on a flashing yellow light if it isn't safe to proceed, so approach it at a speed at which you can stop safely.

CROSSWORD PUZZLE

- ACROSS
- 1-Chinese pagoda
 - 4-Model of perfection
 - 9-Dance step
 - 12-Succor
 - 13-Record of day's doings
 - 14-Macaw
 - 15-Figures of speech
 - 17-Bartered
 - 19-District in Germany
 - 21-Epistle (abbr.)
 - 22-Turkish regiment
 - 25-Fondle
 - 27-American ostrich
 - 31-Free of
 - 32-Swiftest
 - 34-Indefinite article
 - 35-Golf mound
 - 36-Nothing
 - 37-Preposition
 - 38-Fell back
 - 41-Study
 - 42-One opposed
 - 43-Edge
 - 44-Heavy cord
 - 45-Part of "to be"
 - 47-Man's nickname
 - 49-Pertaining to a bride
 - 53-Fondle
 - 57-Paddle
 - 58-Remains at ease
 - 60-Organ of hearing
 - 61-Wine cup
 - 62-Fewest
 - 63-Reverence
- DOWN
- 1-Make lace
 - 2-Ventilate
 - 3-Fuss
 - 4-Mental image
 - 5-Vanish
 - 6-Babylonian
 - 7-Skill
 - 8-Old musical instrument
 - 9-Cushion
 - 10-Exist
 - 11-Mournful
 - 16-Greek letter
 - 18-A month
 - 20-Female ruff
 - 22-Macaw
 - 23-Fabric
 - 24-Paid notice
 - 26-Apartments
 - 28-Pronoun
 - 29-Bar legally
 - 30-Make amends
 - 32-Bishopric
 - 33-Performed
 - 35-Group of three
 - 39-Tanganyika Territory (abbr.)
 - 40-Gratuity
 - 41-Prefix: with
 - 44-Things, in law
 - 46-Clayey earth
 - 48-Trial
 - 49-Neckpiece
 - 50-Male sheep
 - 51-Man's name
 - 52-Confederate general
 - 54-Afternoon party
 - 55-Ordinance
 - 56-Before
 - 59-A continent (abbr.)



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Shrike Becomes Pacemaker For Telemetry Changeover

NWC Shoots for July 1, 1969 To Change from VHF to UHF

By January 1, 1970, all Department of Defense telemetry in the United States must be operating in a new frequency range — UHF — instead of the lower VHF range as it is now. But missile development at NWC is already far ahead of that target date.

Weapons Development Department people have changed part of the Shrike operations over to UHF telemetry — a running start in the Center's own program to make the changeover by July 1, 1969. The Shrike Program Office of Code 40 conducted its first live firing of Shrike using prototype UHF telemetry on Wednesday, November 13.

"Except for work at Cape Kennedy, this was probably the first UHF telemetered firings of any tactical missile in the U.S.," said Jack Billups, head of Code 400533.

Government military and civilian missile ranges were given a ten-year tenure in the 200

megahertz VHF (very high frequency) band nine years ago. (Megahertz equals megacycles.)

"We knew then that we would have to develop techniques and equipment for our own, exclusive telemetry bands," said Robert Merriam, then head of Code 30's Timing-Telemetry Branch, in 1965. He spoke after a meeting of the Telemetry Working Group of the Range Commanders Council. China Lake telemetry people had by then fixed standards for the change to UHF (ultra-high frequency), and met parts of the 1970 design objectives. The new band is in the 2200 megahertz band. Equipment testing to compare the quality of VHF and UHF transmission was begun in 1964.

The Engineering Section of Code 3065 (now 30601) received a task assignment in 1963 to evaluate new UHF telemetry equipment as developed at NWC or other Navy and

(Continued on Page 3)



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CHECKING OUT SHRIKE'S UHF — George Hudson, project engineer for the Shrike telemetry changeover from VHF to UHF, stands over a test bird while Monsie Stanley, electronic technician, checks a circuit. Stanley did environmental testing of the new ultra-high frequency components, which exceeded Shrike specifications. Both men

are of Code 40's Shrike Program Office. The telemetry changeover is part of a nationwide effort, to be completed by January 1, 1970. NWC has set July 1, 1969, as the deadline, and studies of new UHF components are proceeding in Code 30601 under Robert Merriam. His group prepared Shrike's new round antenna.

Corona Laboratories Capt. Wessel To Take Command From Capt. Jarmen Wednesday Afternoon



CAPTAIN R. E. WESSEL greets **Captain E. B. Jarman (r)** in front of the Administration Building at the Naval Weapons Center Corona Laboratories. He will take over Command of the Corona Laboratories in a ceremony set for Wednesday, December 6.

Captain Robert L. Wessel will relieve Captain Edward B. Jarman in a Change - of - Command ceremony on the lawn at the Naval Weapons Center Corona Laboratories at 3:30 p.m. on December 6.

Music by the Cruiser Destroyer Force Pacific Band from San Diego will lend gaiety to the occasion. Highlights of the program will be the reading of orders by the two Captains.

A reception by invitation only will be held in the Norcomian Club following the ceremony.

Captain M. R. Etheridge and other Naval Weapons Center officials from China Lake are expected.

Captain Wessel's last assignment was Officer in Charge of the Livermore Division, Research and Development Group, Field Support Agency (Continued on Page 5)

Toy Drive for Orphans Begins Tomorrow Morning



TOY DRIVE FOR ORPHANAGE — Chaparral Club members in conjunction with Fleet Reservist Association repair toys donated by Center residents for the annual Christmas toy drive. Shown at work are (l-r) Bud B. Cruzon, Georgia Christensen, Jerry Rafalski, assistant club manager, Roy Hunter, AE2 Gary Kraft (NAF), and Bob Waters.

An annual Christmas Toy Drive is being conducted this weekend by members of the Naval Weapons Center Chaparral Club in conjunction with the Fleet Reserve Association.

Toys and other repairable items donated by Center residents will be reconditioned and sent to the children's orphanage in Porterville, California in time for Santa's delivery Christmas morning.

Chaparral Club members will pick up used toys, clothes, etc., beginning tomorrow and Sunday at 9 a.m. and continuing throughout both days. Center residents are requested to place unwanted items for the drive in an area close to the street where pick-ups will be made on either one of these days.

Tomorrow, the volunteer collectors will cover the Base Housing areas on a house-to-house basis. Sunday, the pick-ups will be made in Wherry (Continued on Page 2)



From _____ STAMP
TO _____

CHAPLAIN'S MESSAGE



Advent 1967

By Senior Chaplain Paul Romantum

The Christian Year begins with the first Sunday in Advent, December 3, 1967. The Advent Season includes the four Sundays which precede Christmas. It is the season of expectancy, looking forward to our Lord's coming. For over a thousand years Christians have observed this season as a time of preparation for the coming of the Son of God in human form and his final triumph when "the kingdoms of this world will become the kingdom of our Lord." The elements of preparation and expectancy are expressed in Charles Wesley's Advent Hymn written in 1744:

Come, Thou long-expected Jesus, Born to set Thy people free; From our fears and sins release us; Let us find our rest in Thee. Israel's strength and consolation, Hope of all the earth, Thou art;

Dear desire of every nation, Joy of every longing heart.

The word 'Advent' means 'coming' and refers to the coming of the Lord Jesus Christ in His various manifestations; His coming in glory and in majesty.

Let us use this season as a time to remind ourselves of the Gospel which tells us of the most thrilling event in history, the coming of Christ. The Christian must always celebrate Advent as a time of spiritual preparation for Christmas so that we can receive the full effect of this blessed season.

Through the years my family has thoroughly enjoyed the Advent Wreath to help us prepare for Christmas. This is a circle of evergreens surrounding four tall candles, one rose and three purple; one to be lighted the first week, two the second week, three the third week and four the fourth and last week before Christmas. The circle stands for the eternity of God. The candles symbolize the Light that is come into the world.

The Advent Wreath with four candles is placed in the middle of the supper table. Each evening at the supper table an appropriate hymn or carol is sung with a short scripture reading and prayer. My family has found this experience an excellent way to keep Christmas in the proper perspective. Make your own Advent Season a spiritual time of waiting, believing, expecting — the coming of our Saviour.

CENTER LIBRARY LISTS NEW BOOKS

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

FICTION

- Arnold—A Night of Watching Bagley—Landslide. Cleary—The Long Pursuit. Lewis—Michel, Michel. Macken—Lord of the Mountain. Seifert—Doctor With a Mission.

Non-Fiction

- Doman—How to Teach Your Baby to Read. Enke—Defense Management. Gladstone—The New York Times Complete Manual of Home Repair. Jackson—Simple Toymaking. Kavanaugh—A Modern Priest Looks At His Outdated Church. Kennan—Memoirs, 1925-1950.

- Arany—It's Easy to Play the Guitar. Graham—College of One. McCune—Korea. Murphy—Fitting In As a New Service Wife. Nizer—The Jury Returns. Price—The Scientific Estate. Zaidenberg—The Painting of Pictures.

- Price—America's Paradise Lost. Cooley—The Retirement Trap. Galbraith—The New Industrial State. George—The Chinese Communist Army in Action. Hastings—A Doctor Speaks On Sexual Expression in Marriage. Korn—Modern Chess Openings.

The Rocketeer

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Phone numbers: 71354, 71655, 72082



DIVINE SERVICES

Christian Science (Chapel Annex)—Morning Service—10 a.m. Sunday School—10 a.m.

Protestant—(All Faith Chapel)—Morning Worship—8:15 and 11 a.m. Sunday School—9:30 a.m., Chapel Annexes 1, 2, 3, 4 (Dorms 5, 6, 7, 8) located opposite Center Restaurant.

Roman Catholic (All Faith Chapel)—Holy Mass—7, 9:30 a.m., and 12:30 p.m. Sunday.

Daily Mass—11:30 a.m. in Blessed Sacrament Chapel. Saturday, 8:30 a.m. Confessions—7 to 8:00 p.m. Saturday.

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

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

Unitarian Fellowship—(Chapel Annex, 95 King Ave.)—Sunday, 7:30 p.m.

PROMOTIONAL OPPORTUNITIES

Present Center 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.

Electrician, WB-28005-11, \$3.59, \$3.74, \$3.89 per hour, Code 4553—Performs journeyman electrician duties in various explosive processing laboratories. Installation, repair, and maintenance of power and control systems. File applications for above with Jan Bixler, Bldg. 34, Rm. 24, Phone 72723.

Motion Picture Production Specialist, GS-1071-09 or 11 (One vacancy), Code 7523 — Position requires experience in and thorough knowledge of editing sound motion pictures and general knowledge of other production procedures. Degree preferred. Fire Fighter (General), Driver Operator, GS-081-05 (Five vacancies), Code 842 — Drives and operates a fire department structural pumper, combination structural and brush pumper or any type crash fire truck; participates in drills and classes; periodically inspects Center buildings and property; maintains records regarding the maintenance and service of assigned apparatus and equipment, etc. Qualifications: Three years experience required.

Fire Protection Inspector, GS-081-06 (One Vacancy), Code 842 — Investigates, detects and initiates action to eliminate fire hazards; in addition, responds to alarms when on duty; the incumbent will work a standard 40-hour week. Qualifications: Three years of general experience and one-half year specialized experience (fire protection inspection).

Supervisory Fire Fighter (General), Crew Chief, GS-081-6 (Five vacancies), Code 842 — Responsible for a major piece of motorized fire fighting apparatus and its crew; answers fire alarms; instructs crew in operation of fire equipment in all phases of fire fighting; directs the fighting of fires in the absence of higher authority. Qualifications: Needs two years of general experience and one and one-half years of airfield experience plus a familiarity with the physical layout of the Center.

File applications for the above with Carole Cadle, Bldg. 34, Rm. 28, Phone 71648.

Engineering Technician, GS-802-11, PD No. 735103, Code 3562 — Position is located in the Aircraft Weapons Systems Branch, Aviation Ordnance Department. The duties are independently planning, conducting, and evaluating flight test programs of electro-mechanical weapon systems such as fire control and bomb director systems, weapons guided by optical and electro-optical means, and target detection and identification systems. Applicants must meet Civil Service qualifications requirements; should have one year of flight test experience, and should have knowledge of military aircraft and aircraft systems.

Engineering Draftsman (General), GS-818-5, 6, 7, Code 3574 — This position is located in the Mechanical Systems Branch, Development Division VII, Aviation Ordnance Department. Provides drafting services for the preparation of detailed and assembly drawings and engineering layouts and for the preparation, maintenance of drawing and specification files.

File applications with Mary Morrison, Bldg. 34, Rm. 32, Phone 72032.

Mechanical Engineer, GS-830-11 or 12, PD No. 555061-1, Code 3524 — The position is that of Project Engineer in the Electromechanical Division, Engineering Department. The incumbent is responsible for the design and/or production engineering redesign, test, documentation, and evaluation of mechanical components and/or assemblies which improve the productivity, ease of use, conservation of essential materials, and improves the performance and the reliability of miniature inertial systems of advanced guided missiles. The incumbent must have a Bachelor of Science degree in Mechanical Engineering and a minimum of three years experience in the design and development of inertial systems for guided missiles.

File application for above with Loretta Estep, Bldg. 34, Rm. 34, Phone 71514.

PROMOTIONAL EXAM

The Naval Weapons Center announces a competitive promotion examination for Shop Planner (Public Works), Annc. No. NWC-1VA-5(67) issued December 4, 1967. Applicants must be Career or Career-Conditional employees of the Naval Weapons Center, China Lake, California. Interested applicants should file Card Form NAVEXOS-145-AB and Standard Form 57 with the Detached Representative, Board of Examiners, China Lake, California, not later than December 18, 1967.

Electronics Technician, GS-856-5, 6, 7, and 8 (Four vacancies), Code 3067 — The purpose of this position is to perform the duties necessary to assist in the development, design, modification, evaluation, calibration, operation, and maintenance of the various target radar simulators in support of ordnance tests on the ground ranges.

File application for above with Fawn Haycock, Bldg. 34, Rm. 34, Phone 71514.

Electronics Technician, GS-7 or 9 (1 Vacancy), Code 40053 — This position is located in the Weapons Development Department, Shrike Program Office. The incumbent is one of a group of technicians responsible for the assembly, operation, and maintenance of the various simulators which are used for test and evaluation on the Shrike program. File applications for above with June Chipp, Bldg. 34, Rm. 26, Phone 72676.

'DESERT PHILOSOPHER'

Personalized Christmas Gifts

By "POP" LOFINCK



Anything you make with your own hands is more appreciated — and treasured longer than anything you can buy. It's that personal touch. That applies especially to gemstones that come from nature. It can be a bolo tie or a set of cufflinks for a man, or a cabochon pendant for a woman. Or just a rock sawed and polished on one side to bring out the beauty of it, and rough on the other side for contrast. Or a sphere that brings out the entire beauty of a gemstone.

If your gemstone project also has a utilitarian purpose such as book ends or a desk set — that's better yet. In cutting book ends, if you leave part of the raw rock for contrast that adds to the beauty.

Michelangelo, in chiseling his statues, always left a part of the raw stone somewhere on it because he loved stone.

Gemstones don't fade, wear out, get moth eaten or lose beauty — and can be passed on for the enjoyment of future generations.

Polished gemstones make an ideal Christmas present. And it's not too late for Christmas, if you start now.

The Indian Wells Valley Gem and Mineral Society has a fully equipped lapidary shop in the Rowe Street school building at China Lake.

The shop is open Tuesday, Wednesday, Thursday and Friday from 6:30 p.m. to 9:30 p.m. Monday and Wednesday afternoon from 1 p.m. to 4 p.m., the shop is open just for women.

There is always an experienced lapidary man or sponsor to show you how to start. And as you progress, you will see a motion picture that shows in detail every step from the raw stone to your finished product. The Society welcomes beginners.

For further information — call Alvin B. Cles, president of the Society at Ridgecrest 377-6316, or P.O. Box 555, Ridgecrest.



THANKS FOR 30 YEARS — Federal service veterans (l-r) Bob Meyer and Arthur "Dutch" Schaper receive 30-year pins from Capt. K. C. Abplanalp, Public Works Officer. Dutch Schaper's service includes 20 years active duty with the Navy with duty in China, Japan, Korea, South America and the Philippines. A maintenance machinist since he came to work here in 1957, he calls the Valley a good place to live and raise his family. He and his wife Constance have four children, two still at home. Robert Meyer is also a former Navy career man, with 22 years behind him, including sea duty during World War II in the North and South Atlantic and South Pacific. A Public Works rigger for seven years, Meyer is another outdoorsman. He and his wife Kathleen have raised two boys and a girl.

Corona Laboratories

Dinner To Honor New Commanding Officer Wed. Nite

The Corona-Riverside Council of the Navy League is having a Welcome - Aboard Dinner in honor of Captain and Mrs. R. E. Wessel, new Commanding Officer of the Naval Weapons Center Corona Laboratories the evening of December 6.

The dinner, following the change of command at the Laboratories that afternoon, will include as honored guests, Captain and Mrs. M. R. Etheridge of China Lake, Captain and Mrs. E. B. Jarman, and Captain and Mrs. F. J. Heiler. Social hour is set for 7 p.m. and dinner will be at 8:30 at the Copper Skillet Restaurant.

Santa's Workshop

(Continued from Page 1)

Housing, Ridgecrest and other local areas.

Residents are asked to scan their homes for items, small or large, that are no longer needed and contribute them to a worthy cause this year so Santa may make some other less fortunate child smile Christmas morning. Your help will be appreciated by members of the Chaparral Club and Fleet Reserve Association.

Have Fewer Cavities

Navy research team is investigating why many Navy recruits from northwestern Ohio, west central Florida and northeastern South Carolina have teeth free of cavities. Navy believes something in water and soil in these areas combines with fluoride to provide increased protection.

THE LOCKER ROOM

Too Many Playoffs

By ED RANCK



Once upon a time, back in the pre-television era, many sports fans felt that attending a major league sporting event was an occasion to be remembered. With the exception of the city slickers, who were only a 10-cent trolley car ride away from the stadium, big league sports could be a once in a lifetime event. The only way to bring major league sports into the home for most people was by radio. The sports pages and other media such as bubble gum cards, were the major means by which fans found out just what their heroes looked like. Sports were seasonal. Baseball in the summer, football in the fall, and basketball in the winter.

THE GREAT CHANGE

Television of course changed all this. It brought live sports into the living room for the first time. Millions of people who would otherwise be indifferent, became fans because of the exposure made possible through TV. Major league owners began to make money, players salaries soared and in the last few years, expansion became a reality.

Even to a casual observer, or one who has little or no interest in the situation, professional athletics in the United States have attained a measure of popularity that few would have thought possible 20 years ago. Rather than kill the professional game as many feared, the tube is perhaps the major reason why many sports are at their present level of popularity.

To the average sports nut, happiness is being able to observe a variety of major league sporting events as often as possible with the least amount of difficulty. Television and expansion have provided it all. We have football as early as August, basketball as late as April and this year, the hockey season probably will end sometime around Mother's Day. Including exhibitions and regular season games, each major league baseball team plays about 200 games. Basketball and hockey teams schedule 80 to 90, and the pro-football teams play at least 20 games each.

A MAGIC WORLD

It would seem that the magic world of fun and games — professional division — is at an all-time popularity peak, and there is little evidence to dispute the idea. It should stay that way, providing those who make the rules in such matters begin to make a close examination of the ridiculous playoff situation.

For example, in the National Basketball Association this year, 12 teams will play nearly 500 games in a regular season grind which ends sometime in March. In the process, the NBA will manage to eliminate four of the 12 clubs involved. It seems that basketball, more than any other sport follows the form sheet. Therefore, the teams that are destined to finish in the bottom rungs of the ladder have probably lit there already, hence the regular season becomes a mere warmup for the spring playoffs.

FOUR DIVISION SPLIT

The National Football League split into four divisions this year. This means that there will be a semi-final game prior to the NFL playoff game. Then comes the world championship game — the Super Bowl. There will be at least three playoff games prior to the grand finale, not including any games made necessary by divisional ties. Despite the fact that there will be at least six teams with a chance for the world title, one of the top two or three clubs in pro-football, either the Rams or the Colts, won't make it.

The playoff setup in the National Hockey League is the same as that of the NBA. The NHL can get away with it, because they invented the system and have been doing it for 40 years or so. Basketball and football, however, aren't in the same category as hockey. What's good for the NHL might not be good for everybody else. The NHL's Stanley Cup playoffs have a glamour attached to them that will never be matched by the NBA's divisional playoffs for example, even if the NBA lives to be a hundred.

The only people who seem to have maintained their 'cool' up to this point are those who set policy for major league baseball. The 162 game major league schedule is still a true championship race, and baseball has managed to produce some exciting finishes without using the playoff gimmick.

Although pro-sports interest is at an all time high, more emphasis should be placed on regular season competition. It seems senseless to have a situation whereby a team that proves itself during a long season can lose it all on one off day.

Rams vs. Packers Ticket Sale

Football fans are reminded that tickets and transportation are available to military personnel only for the Rams versus Packer football game scheduled in Los Angeles, Saturday, December 9. For tickets contact HM2 John Morsette (NWC Ext. 71457; PH2 Mike Woods (VX-5) Ext.

8214; and ABHI William Harms (NAF) Ext. 71422. Cost of \$7.50 per person includes ticket to the game and bus transportation. The bus will depart NWC Community Center at 7:30 p.m. December 9. Personnel may attend the game in uniform or civilian attire.

Starlite Keglers Move To Second Place in League

The red-hot Starlite team won three games Monday evening to move into second place in the Premier League. Starlite rolled a 2950 team series, high for the league this year in sweeping the series from Tom's Place. Craig Rae with 237-211-611, and Chuck Albright with 222-611 led the way, while Maury Coleman's 237-206, Don Tucker's 247 and Al Hebert's 201 also contributed to the high series. Tucker's 247 was high single game for the evening.

Bill King rolled high series for the Premier League, hitting 204 and 203 enroute to a 624 series. Other Premier highlights included Fred Dalpiaz 219-206-608; Bob Lockwood 222; Ben Whiteside 225; Rob Fuller 213; Chuck Cutsinger 216; Jack Leininger 215; Ed Donohue 210; Ray Freascher 205; Gordon Zurn Jr. 200 and Byron Schuetze with a pair of 200 games.

Despite the many 200 games in the Premier League, it was John Howell of the Midway League who stole the thunder at the China Lake Bowl. John rolled a 267 single game, one of the highest singles rolled this season, then came back with a 194 and 200 to complete a fine 661 series. Chuck Albright hit a 244 in Midway action while Jim Fath had 235. Other Midway scores included Steve Stephenson 212 and Willy Osborne 211.

Gary Ziegler and Patty Dalpiaz led the parade in the Juniors Mixed League. Gary rolled 204-181-200 for a 585 series, while Patty had 133-181-125 for a 439. Marilyn Clark rolled a triplete, hitting 113 in a 11 three games.

Charlotte DeMarco led the Monday Women's Scratch League with a 530 series. Neola Crimmins was close behind with 197-512, while Cora Ball had 191 and Jerry Holland rolled 190.

Premier League Standings

Table with 3 columns: Team, W, L. Starlite 22 13, Tom's Place 17 19, Boyd's Auto Parts 17 19, Mercury Movers 17 19, Foremost 15 21.

NAF Hawks Down Genge Chaparrals

The NAF Hawks defeated the Genge Chaparrals, 57-45, in the opening game of the 1967-68 China Lake Basketball League, Tuesday evening at the China Lake gym. The Hawks, who finished second in the league last season, went ahead 21-15 during a slow first half, then used the fast break during the final 10 minutes to win going away.

Bob Loft and Gary Peebles led the NAF attack with 12 and 11 points, while Bob Berry with 15 and Jerry Tyler with 11 paced the Chaparrals. Next weeks schedule is as follows: Tuesday, December 5, VX-5 Vampires vs Genge and NAF vs VX-5; Wednesday, December 6, Aero Science vs NWC and VX-5 Rebels vs Special Services; Thursday, December 7, NAF vs Genge and VX-5 Vampires vs NWC.

Athlete Of The Month

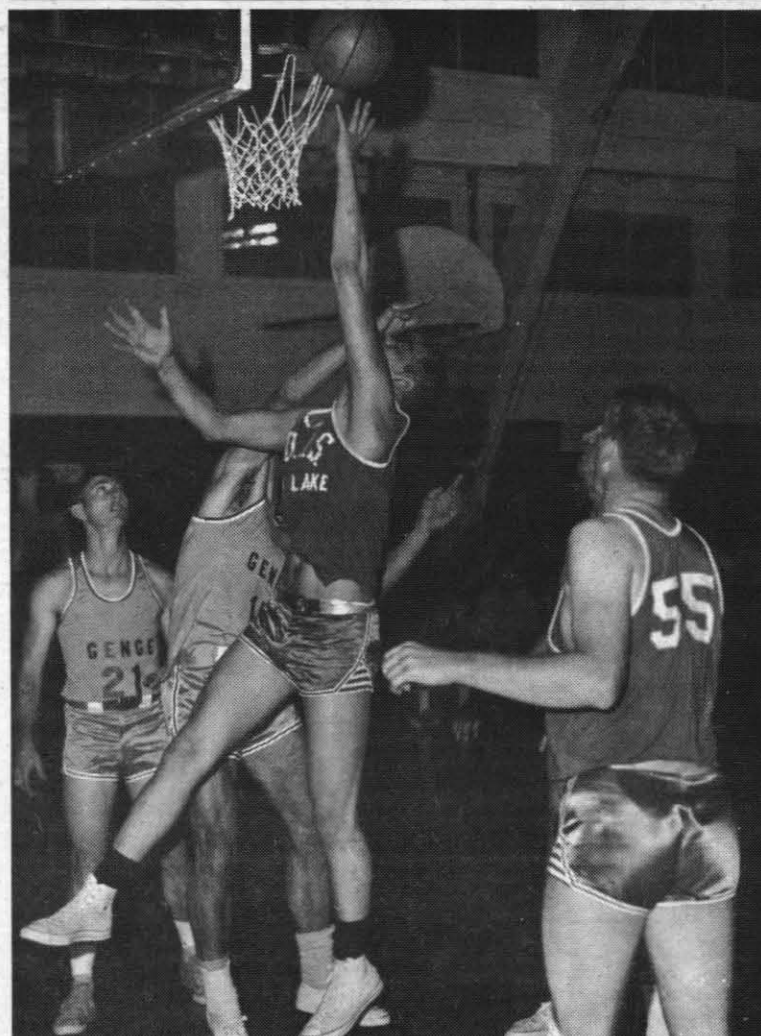


NAF's Larry Brown Takes Honors As Outstanding Athlete for Nov.

Larry Brown of the Naval Air Facility has been selected as NWC China Lake's Athlete of the Month for November, it was announced this week by Special Services Director O. A. Imer. The 20 year old Brown, who makes his home in Elizabethton, Tennessee, has been an outstanding football, softball and basketball player at China Lake during the last year.

Prior to entering naval service, Brown was a member of the football and track teams at Happy Valley High School in Johnson City, Tennessee. Since his arrival at China Lake, Brown has been selected for all-star recognition in football and softball. He was a member of the NAF championship flag football team in 1966 and played centerfield for the Hawks during the 1967 softball season.

The Athlete of the Month award is being made in conjunction with the Schick Athlete of the Month program currently underway at NWC.



JUMPING TO SCORE — Dennis Calkins (forward) of the NAF Hawks makes the leap and attempts to tap the ball into the overhanging hoop while Gary Peebles (r) offers his teammate encouragement. The Hawks and Genge Chaparral's locked in die-hard competition in the opening game of the 1967-68 China Lake Basketball League Tuesday night.

'49ers Encampment - Greatest Yet

Thousands Spend Four Days Camping Under Clear Skies at Death Valley

BY MILT SHEELY

The 18th Annual Encampment sponsored by the Death Valley '49ers held at the Death Valley National Monument (DV-NM) during Thursday, November 9 through Sunday, November 12, was termed a "tremendous success" by park officials.

So successful, in fact, that park officials might well have remembered the saying: "Where did all those Indians come from?" replacing it with a term well-suited for this year's Death Valley Encampment, "Where in the world did all those people come from?"

For, believe it or not, more than 20,000 people, of all ages, from all walks of life, appearing with every conceivable kind of camping equipment and other gear, spent part or all of the four days living under the stars at Death Valley reminiscent of the life their forefathers may have lived a hundred or so years ago.

Twenty-thousand people, old and young, rigged up their camping gear, slept in tents or sleeping bags under the clear, blue outdoor ceiling, or housed themselves in their private campers or house-trailers or quartered themselves in available motels or hotels in the nearby areas.

Credit for much of the success for this 18th Annual Encampment went to John W. Stratton, Superintendent of America's Desert Wonderland. President Leo S. Moore and Production Chairman, Hugh C. Telford, for this year's program, also earned praise for their outstanding efforts in providing an active and varied program for the multitudes of visitors, many of them for the first time to this vast desert playground.

Travelers made the long pilgrimage from near and far to reach the '49ers Encampment area, and many even began ar-

riving as early as November 5 to pick out their first-choice camping place. Statistics, provided by the efficient and courteous park rangers, provide us with an overall view of the outstanding programming offered to the outdoor men and women, and kids too, partaking of this tremendous four-day opportunity.

For instance, the rangers reported 1,842 camping units had moved into the valley. The Burro Flapjack Sweepstakes at Stove Pipe Wells Village area attracted 5,113 curious spectators to watch as Rod Ayers of Lone Pine walked away with first place honors in this contest, while a Los Angeles outdoorsman, by the name of Jack Stoner, trapped third place.

Other statistics showed that 702 people attended the Artists' breakfast; 278 made the Photographers' Breakfast, while another 510 observers

(Continued on Page 5)

Encampment Photos By Frederick L. Richards



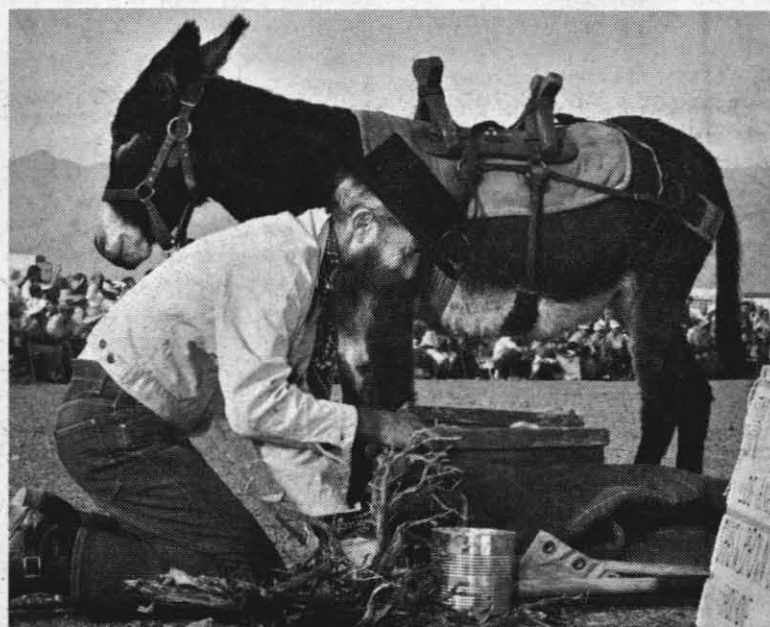
AUTHOR'S BREAKFAST—Rocketeer's "Desert Philosopher," "Pop" Lofinck (l) congratulates an old friend, George Koenig (featured speaker) on his enlightening and inspirational talk. A renowned historian from Van Nuys, California, Koenig's recent translation and editing of the Louis Nus-

baumer Journal has been one of the most significant contributions to our knowledge of the tragic 1849 Death Valley party, at least since the publication of W. L. Manly's "Death Valley in '49" more than 70 years ago. Other outstanding writers contributing to desert literature were there.



ART EXHIBIT — One of the highlights of the Death Valley '49ers Encampment was this outdoor art exhibit where several China Lake painters displayed their pictorial art work depicted in magnificent colors. This photo was taken outside

the Museum and Visitor's Center at Death Valley. The outstanding and typical Southwest desert art was displayed for visitors during the four-day encampment. The two art displays consisted of one "invitational" and one "open."



THIRD PLACE WINNER — Jack Stoner of Los Angeles and friend, third place winner of the Burro Flapjack Sweepstakes held at Stove Pipe Wells during the Death Valley '49ers Encampment, is shown preparing to build his camp fire to make his winning flapjacks. More than 5,000 admirers were on hand to view scenes such as this. Prospectors paraded around the perimeter, giving viewers a close-up of each prospector and his burro. No matter where you were seated on the perimeter a contestant would finish in front of you — providing he could coax (or carry) his burro around the center-pole. Added entertainment and music were provided during this activity.



DEATH VALLEY ARTIST'S BREAKFAST—Part of the largest crowd ever to attend the Death Valley '49ers Artist's Breakfast enjoy each other's company during the morning affair held at the Furnace Creek Golf Course. More than 700 people watched top-flight Western Artists paint a Western

Scene during the breakfast with J. Emil Morhardt as Master of Ceremonies. Many observers viewed the painting that was painted at last year's breakfast and participated in the sale of this painting to the highest bidder. Mr. and Mrs. E. H. Lower of Laguna Hills, Calif., were highest bidders.

'49ers Encampment Greatest Yet

(Continued from Page 4)

were in attendance at the Authors' Breakfast. In addition to this, a mere 3,100 visitors took the time to view the Color Slide Show and Fiddlers Contest. Various other programs keeping the visitors busy during the period included evening campfires, dancing under the stars, conducted tours, Chuck Wagon Lunch, only to mention a few of the offerings provided for the guests.

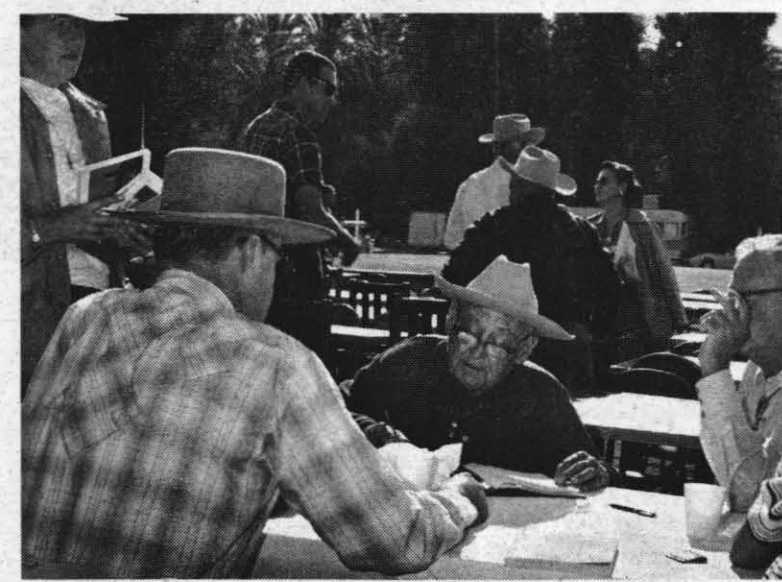
Officials made it a point to state that this year's '49ers Encampment was the "most successful one to date" and that "it has grown from its modest beginning 18 years ago to one of the outstanding events to be held anywhere in the West."



COLORFUL PERSONALITIES —Tumbleweed Slim (l), Honorary Major of Tujunga, California; Indian Princess Whitefeather from Reno, Nevada, wearing part of her fabulous collection of turquoise and silver and Wild Bill Reynolds from Genge Company, Ridgecrest. These colorful personalities were a part of the fabulous Death Valley '49ers enjoying the West's greatest free entertainment.



GOOD OLD WESTERN MUSIC — Good western music was provided on nature's greatest stage at the Authors' Breakfast by well-known Death Valley singer and guitarist, Bob Lewis (l) accompanied by the champion fiddler, Charlie Waer of Whittier, California. Lewis is a deputy sheriff of San Bernardino, California. A good turn-out for the affair wasn't hard to achieve with the more than 500 people in attendance at the Authors' Breakfast.



CHINA LAKE'S DESERT PHILOSOPHER — Sewell "Pop" Lofinck, the Naval Weapons Center's Rocketeer "Desert Philosopher," autographs his current book, "Mojave Desert Ramblings," for several admirers attending the Death Valley '49ers Encampment. Actually "Pop" was the most sought-after author during the Authors' Breakfast at Furnace Creek Ranch.

Corona Laboratories

Change Command Ceremony Wed. pm At Corona Labs

(Continued from Page 1)

at Lawrence Radiation Laboratory, Livermore, California.

Captain Wessel was born in Fresno, California, in 1919. He was graduated from the Engineering School, University of California in 1941 and also attended Harvard University and Massachusetts Institute of Technology. He has had additional Navy-sponsored courses at Cruft Radio Laboratories, and attended the Naval War College at Newport, R.I.

He entered the Navy in 1941, and was commissioned in July, 1942. During World War II, he served in motor torpedo boats in the South Pacific, at Guadalcanal; in the Philippine campaigns and in the Southern France campaign.

Since 1945, Captain Wessel served aboard heavy cruisers USS Toledo and USS Rochester, and destroyers USS N. K. Perry, and USS F. E. Evans. He assumed command of the USS Shields in September, 1961.

Other assignments have included Research and Development Surface Fire Control Systems, Bureau of Naval Ordnance; Technical Training Group, Armed Forces Special Weapons Project, Albuquerque; and Air and Surface Weapons Applications, Naval Ordnance Laboratories, White Oak.

Captain Wessel has been awarded the Bronze Star Medal and Letter of Commendation with Combat "V's" in addition to campaign ribbons including Asiatic - Pacific Area, European - African - Middle Eastern Area, World War II Victory, Navy Occupation Service, China Service (Extended), Philippine Liberation, National Defense Service, Korean Service and United Nations Service.

Captain Jarman, who has been Commanding Officer of the Laboratories for the past four years, is a native of Georgia. He entered the Naval Academy from Virginia and graduated in 1938. He saw action in World War II in the heavy cruiser Chicago and the carrier Cowpens, as air defense officer of the former, and navigator of the latter.

He holds a Master's Degree in Physics from UCLA, and is a graduate of both the Armed Forces Staff College and the National War College.

His commands since the war have been the destroyer O'Bannon, Destroyer Division 22, the destroyer tender Piedmont, and Destroyer Squadron 17, composed of Terrier and Tartar missile ships and our latest gun-armed destroyers.

Shore billets have included management and technical assignments in the Bureau of Ordnance and the Bureau of Naval Weapons, the latest being director of research and development of ship-launched missile systems.

Plans for the future are not set, and Captain and Mrs. Jarman will stay in Corona pending further developments.

Farewell from Adm. Roy L. Johnson, Commander-in-Chief, Pacific Fleet

As my term of service as Commander in Chief comes to a close, I can look back upon a multitude of rich experiences. When the tempo of conflict increased in the Vietnam area, we moved up together to meet the enemy and took a stand to insure that freedom and democratic opportunity will endure for future generations. In carrying out the many demanding tasks that provide this insurance, all of you, from Seaman Apprentice to Admiral, have upheld the highest Naval traditions of skill, sacrifice, and professionalism.

Together we have helped to maintain the balance of national power in this vast Pacific area. In no other part of the world has the need for seapower been more obvious, nor has its application been more artfully tailored to meet a delicate situation. The trust that the American people have placed in us serving now, and those who have served, in the fleet, has made the job of commander in chief one of awesome responsibility for me. But in attempting to satisfy this trust through the support and dedication of the finest Navy professionals who ever went to sea, I have found my life's greatest satisfaction.

The dictates of time say that I must leave my present assignment. But never really will I leave you, for the spirit of the mission, which never ends, will keep my thoughts of all of you, and my prayers for your successes always close at hand.

ADMIRAL ROY L. JOHNSON
Commander-in-Chief, Pacific Fleet

Scouts Will Sell Christmas Trees In Shopping Plaza

China Lake Scouts of Explorer Post 291 and Troop 41 have again this year combined their efforts to offer Christmas trees for sale to the residents of China Lake.

The trees will be sold in Bennington Plaza every afternoon and evening on weekdays and throughout the day on Saturdays. Sales will begin tomorrow, December 2.

The trees were cut by the Scouts of Explorer Post 291 in the Mammoth Lake area under the supervision of officials of Inyo National Forest.

A smaller number of pinon pine trees will also be available. These were obtained by the Scouts from the Long Valley area through the cooperation of the U.S. Forest Service. Sales of all the trees will be handled by the Scouts of Troop 41.

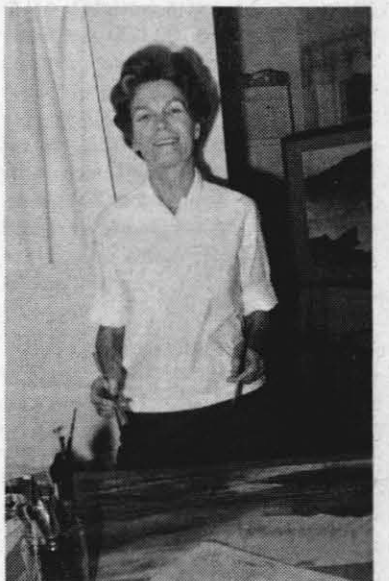
Projects of this type provide multiple benefits to the Scouting program. In obtaining the trees, the Scouts gain experience in the application of woodcraft and good forestry practices, and the proceeds from the sales are used to purchase major items of equipment for the Post and the Troop.

China Lake 'Astro' Society Meeting Set Monday Night

The subject of extra-terrestrial life will be examined in two colored films, "Life on Other Planets" and "Exobiological Safety," to be shown at the Monday, December 4, meeting of the China Lake Astronomical Society.

The films provide a realistic discussion, from a biological point of view, on possible low forms of life on other planets and on precautions necessary to prevent cross contamination between planets via space probes. Also a short color film of the December 1965 rendezvous of Gemini 6 and 7 will be shown.

The meeting will be held at the society's clubhouse at 401 McIntire St. at 7:30 p.m. All interested persons are welcome.



RUTH MAYER
Watercolor Artist

Local Artist To Show Watercolors

Mrs. Ruth Mayer will show approximately 18 of her watercolors in various techniques in the NWC Community Center's Joshua and Yucca rooms during December.

Mrs. Mayer majored in art at Oklahoma State University. She transferred to Kansas City Art Institute where she was a scholarship student and later taught fashion illustration and life drawing.

The Mayer family moved to China Lake two years ago from Amarillo, Texas. Mrs. Mayer's husband is a technical illustrator at the Naval Weapons Center, Graphic Arts Branch. They have a son, Philip, who is a lieutenant in the Army, now serving in Viet Nam, and a daughter who is a freshman at Fresno State College.

The Mayers are members of the Desert Art League. Mrs. Mayer prefers watercolors to other mediums because of their versatile and challenging characteristics. She also studied with Stefan Kramer, well-known watercolorist, in Amarillo, Texas. Her latest school was a summer class with internationally famous Robert E. Wood at his studio - home in Green Valley Lake, California.

A reception will be given for Mrs. Mayer Wednesday, December 6, from 7:30 to 9:30 at the Community Center and will be sponsored by the China Lake chapter of Sweet Adelines, Incorporated. The public is invited to attend.



NAVAL UNDERSEA WARFARE CENTER

PASADENA, CALIFORNIA

A Message From Your Credit Union

What kind of automobile insurance and how much should the car owner carry? The answer to this is a complex one. There is a basic public liability and property damage (PL and PD) required by California law in lieu of a demonstrable ability to pay. This we all obviously must have.

In recent years, however, the tendency has been toward higher and higher awards by the courts for body injury. Many of the insurance experts now are advising policies of at least \$50,000/\$100,000 for body injuries for one or two persons respectively. The premium cost may be only a few dollars per year more than for the usual \$10,000/\$20,000 policy now carried by many car owners. With present trend toward high awards in court cases, the extra protection is well worth the cost.

Collision insurance is costly. Here, one is justified in carrying, say \$50, or \$100 deductible on a new car to avoid a much larger loss. As the value of the car approaches the cost of the collision policy, that is, after the third or fourth year, one should consider cancelling the collision insurance entirely.

On cars purchased through the NUWC Credit Union \$100 deductible and comprehensive insurance is required with loss payable clause to insure repayment of any loss to the Credit Union. This is normal procedure while a car is being financed, since the legal owner is, in fact, the financing organization. This does not protect the buyer against public liability and property damage claims, so the admonition above holds; have plenty of PL and PD!



TWENTY YEAR SALUTE—Cdr. C. J. Tetrick (third from left) awards 20-year service emblems to three NUWC personnel at Center ceremony. From left: Gaston South, who has contributed notably to many projects, as: infrared programs; ASROC and ASROC-TERRIER evaluations; and range engineer of deep submergence systems project. Merton R. Welch, whose knowledge of engineering design, drafting practices and fabrication processes has benefited many Navy projects including the Pilot Plant at China Lake, Torpedoes MK 32, MK 44, MK 46, ASROC and others. Lester Petersen who has made significant contributions in the field of underwater projects in engines and turbines for torpedo propulsion.

PROMOTIONAL OPPORTUNITIES

To apply for positions contact Christine Marchand, Pasadena Personnel Department, Extension 278. A current SF-58 must be submitted when applying.

Accounting Technician, GS-4 or 5, Central Staff, Plans & Programs Staff, Accounting & Disbursing Division, Code 113 — Incumbent will maintain the Center's plant property accounting records, will audit and process documents to cover the acquisition, transfer, and disposition of plant property; prepare plant reconciliation and depreciation reports and required by existing NIF regulations.

Accounting Technician, GS-8 or 9, Central Staff, Plans and Programs Staff, Accounting & Disbursing Division, Code 113 — Incumbent will assist in the implementation and administration of the Center's accounting program, and will provide the Head of the Acctg. & Disb. Division with interpretive, analytical and statistical services in all areas of NIF accounting, (General Acctg.; Cost Accounting, Payroll, & Plant Property).

Account Maintenance Clerk, GS-3 or 4, Central Staff, Plans and Programs Staff, Accounting & Disbursing Division, Code 113 — Incumbent will perform various accounting tasks as may be required in the maintenance of accounting records. Duties will include the validating and coding of accounting documents; preparation of posting media; reconciliation of accounts and records; compilation of summaries, statements, and reports.

Secretary (Stenography), GS-5, Public Works Department, 773 — Serves as Secretary to the Public Works Officer who is assigned additional duties as Officer in Charge of Construction of NAVFAC contracts. Takes and transcribes dictation including conference reporting, receives a 11 telephone calls for the Public Works Office, schedules his appointments, receives and screens mail, and prepares travel orders, physical reports, and other reports pertaining to military personnel. Composes correspondence and is responsible for classified files.

Girl of the Month Title Goes To Carol Baldwin

Carol Baldwin, 19-year-old daughter of M. M. Baldwin, Code D551, was named Girl of the Month for October at Grossmont College, El Cajon. Carol is Historian and Publicity Chairman for Associated Women Students, member of Beta Sorority (a social organization), and member of Student California Teachers Association. Miss Baldwin is a fine arts major and intends to teach after graduation.

Her father is Project Technical Director for Advanced Surface Sonar Project.

Capt. Lowe Receives Pasadena Citizen's Award for November



OUTSTANDING CITIZEN—Captain G. H. Lowe receiving Outstanding Citizen's Award from Carl H. Hoelscher (l), President of the Pasadena Chamber of Commerce, at award breakfast at the Huntington-Sheraton Hotel Georgian Room. Mrs. Lowe beams with pride.

Pres. Hoelscher Calls Captain 'Kind of Citizen Pasadena Likes to Have'

Captain G. H. Lowe, Commander NUWC, was presented with the Pasadena Citizen's Award for November by the Pasadena Chamber of Commerce at an award breakfast held at the Huntington-Sheraton Hotel. More than two hundred members and guests heard Carl H. Hoelscher, President of the Chamber make the presentation.

The award is made for distinguished service to the community, which, Mr. Hoelscher said, Captain Lowe typifies to a very high degree. Mr. Hoelscher cited the Captain as the kind of citizen Pasadena is proud of, quoting from Dr. Schweitzer to illustrate the assertion.

He referred to Schweitzer's remark that a man's obligations fall in this order: first as a husband, second as a father and third as a business man (or as "knowing" his business). When these three obligations are met he has an obligation to his fellow man.

"And Captain Lowe," said Mr. Hoelscher, "has more than fulfilled all these obligations."

To illustrate this statement Mr. Hoelscher told the story of Captain Lowe's special effort, recently, to get an early flight after a Washington conference in order to take part in a PTA meeting at the school where his own children attend. "This," said the president, "is what good citizens are made of."

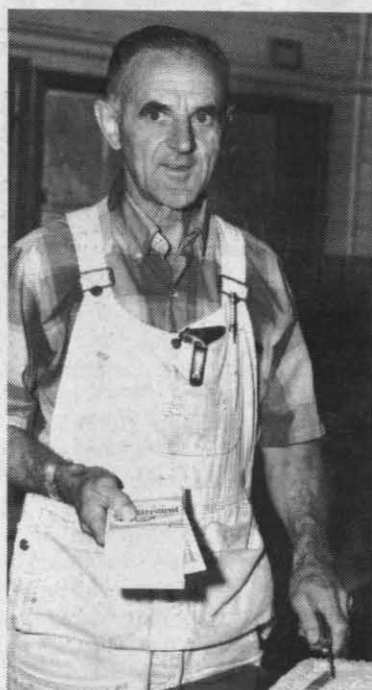
The unusual plaque which recipients of this honor receive is a silver dollar mounted in marble, with a metal plate bearing the name of the award and the recipient.

Fittingly, the guest speaker, who addressed the group after the presentation, spoke the Captain's "language." He was James R. Stewart, Chief Diving Officer, Scripps Institute of Oceanography at La Jolla. The Institute is affiliated with the University of California as a graduate school.

Mr. Stewart described the activities of the institute in its investigations under the sea. Many of these activities of the institute, particularly on the Sealab II operation, the speaker said, were joint efforts of the NUWC, Scripps and others.

Some of the operations of the institute in the future will be in areas interesting to NUWC and perhaps will parallel them since interest in deeper and deeper penetration of the sea is worldwide.

To Report NUWC News Call VIRGINIA E. LIBBY Extension 638 - Code P1905



WELL DONE, NORMAN — Norman Bernard retires after 30 years with Civil Service. Although the cake he is cutting is at Long Beach Naval Shipyard he was "our man" until last year. Bernard joined Civil Service in the Boston Naval Yard, came to Long Beach, then to China Lake, then SCL, the last two in public works and finally back to Long Beach in 1966. He saw service in the Marines from 1930 to 1934. Now, after 30 years service, three sons and one daughter, Norman and his wife, Doris, are going to travel to all the places they talked about while the children were growing up and the years were rolling along toward retirement.

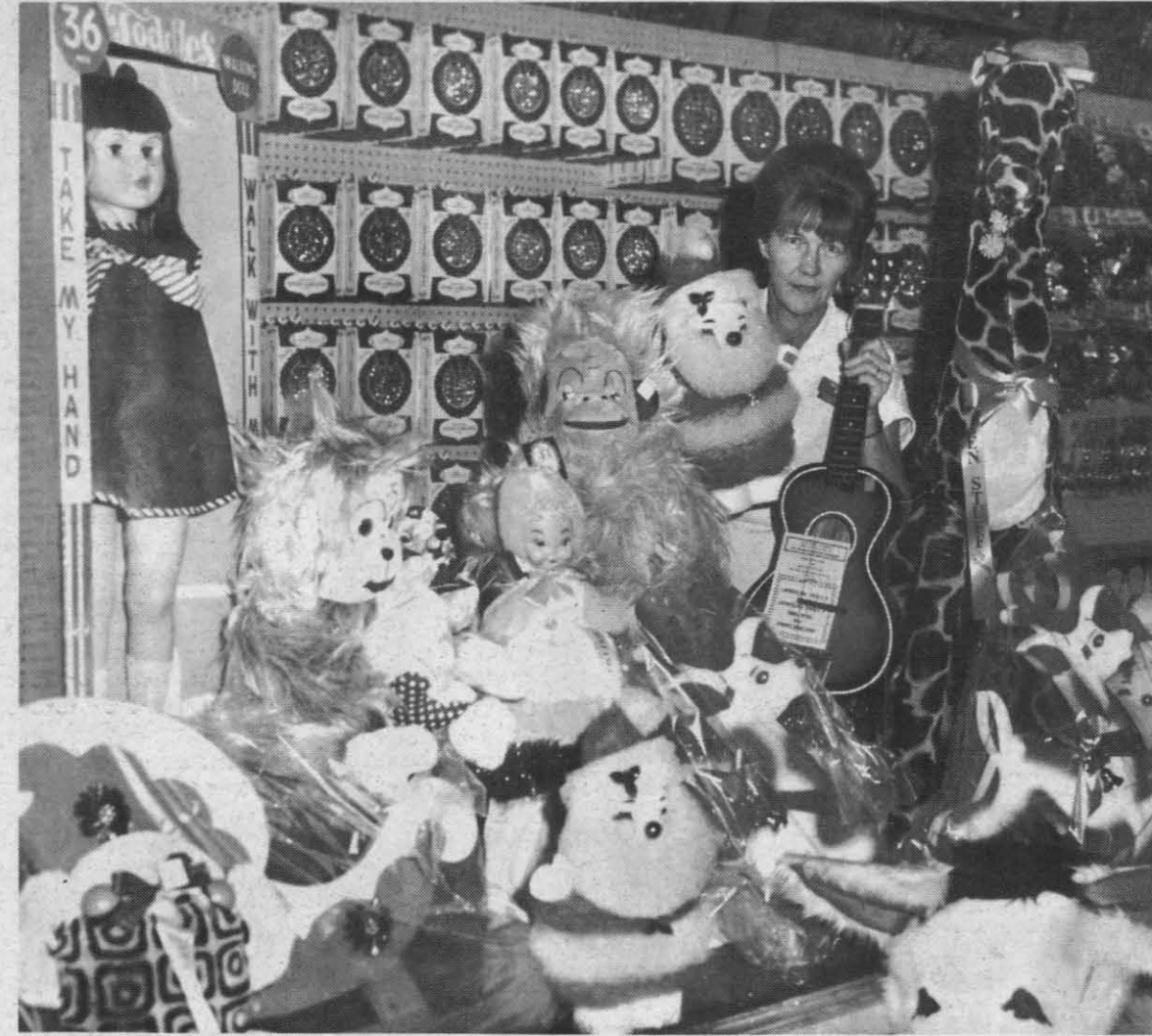
ESO AT LARGE
DON'T FORGET DECEMBER 15, 1967, THE NUWC CHRISTMAS DANCE PARTY
TO BE HELD AT THE V.F.W. HALL, 250 EAST FIRST ST., AZUSA, CALIF. 8:00 P.M. TO 1:00 A.M.

No Strikes

The boastings and explanations for bowling scores had to be repeated for the week of November 13 at the Center because there were no games during Thanksgiving week. The keglers will take up where they left off and a report will be made next week.



ANOTHER CAREER — Robert H. Hudson has begun a second career with Minneapolis Honeywell after almost 37 years in government service. Hudson left NUWC on October 20, 1967, having joined this service in 1956 as Systems Engineer on the ASROC program. Although associated now with Minneapolis Honeywell he still is a member of the ASROC Technical Director's Team. Born in Everett, Washington, Hudson started in government service in January 1930 at the Puget Sound Naval Shipyard, Bremerton. He was at Mare Island from 1938 to 1944, then to Long Beach until 1949 when it closed. A short stint on the Falcon Missile Project with Hughes Aircraft kept him busy until 1950 when Long Beach reopened and claimed Hudson once more. Then to NUWC in 1956. Now he has turned the page in his history and begun a new one.



SHOPPING BAG TOY CENTER — Smothering herself in the softness of the stuffed toys, Mrs. Rose Teate of the Shopping Bag Department Store displays the wide variety of Christmas gifts available at the Toy Center in the large Quonset Hut located directly behind the main store. Store hours are from 9 a.m. to 7 p.m., Mon-Sat.

Shopping Bag Market Highlights Varied Christmas Toy Center

People at Naval Weapons Center thinking about the once a year task of Christmas shopping won't want to miss the massive display of Yule-tide toys available at the Shopping Bag Market's Toy Center.

The Toy Center opened its doors to the public yesterday at 9 a.m. and will operate Monday through Saturday from 9 a.m. to 7 p.m., according to Shopping Bag Market manager, Randy Breedlove.

The old saying, "Seeing Is Believing" certainly holds true for the assortment of sparkling wrapped gifts and accessories awaiting the customers personal attention.

Toy Center manager, Val Morris, consented to conduct a private tour of his "Santa's Workshop" so that the buyer may have a pre-opening look at what may be expected in the way of a truly vast supply of various toys.

According to Morris, "this is the first year Shopping Bag Market has tried something like this on the Center. Last year a small section in the main store was set aside for Christmas toys and other accessories."

The first table, close to the main entrance of the huge Quonset Hut, located directly behind the Shopping Bag Market, features appliances selling at discount prices and includes clocks, such as Westclox, Sunbeam and General Electric. In addition, there are radios, mostly General Electric, small tape recorders, and walkie-talkies on the table.

Hanging on the right wall is an assortment of television rifles such as Johnny Eagle, M-16 and Crack-fire along with a large selection of sturdy Tonka toys. Musical instruments such as guitars, tiger drum sets, play school toys for the very

young children, Wee Wagon, Wee Scooters, Fisher Price toys and a good supply of chalk boards, chalk included, are located in this area.

Morris also commented on one of the big feature areas this year — a large table in the back of the store loaded with a fine array of 78 cent toys — cars, games, play dough, airplanes, weaving looms, baking sets, tea sets, paper dolls, beauty sets, puzzles, Army field bag kits, and small rifles.

The sports section displays basketball kits, basketballs and football items. Sleeping bags and camping stoves are available in the event the women need another idea for hobbies Christmas gift.

In the Christmas wrapping paper area, there is an abundance of colorful assortments running from 47 cents to \$2.98 in the Hallmark brand. Door foil, stick-on-bows, tinsels, curling ribbons, and a table full of plain, old giftware are among the assorted gift items. Outdoor decorations include star foam reindeer, Santa Claus sleds, indoor and outdoor tree light sets and Christmas cards.

In the girls section is located a various assortment of dolls ranging from very small to the life-like 36-inch walking doll, Barbie dolls, dishwashers, stoves, high chairs and cooking sets are in this area.

The boys section is loaded with imaginative items including slot cars, racing kits, airplanes, trucks, airblaster (shown on television), pool tables, tractor sets, Lincoln Log sets, microscopes, dart games, and pinball games. Other items are snow cone machines, ice cream machines, the Thing-Makers, Snippy Scissors, Mr. Alligator, Johnny Astro, Silly Sand and other selections for the customer.

Sylvia Hill, New Exec. Secretary

Mrs. Sylvia Hill recently assumed the duties of executive secretary for the Maturango Museum located on Naval Weapons Center according to an announcement by Kenneth H. Robinson, museum director.



SYLVIA HILL

Asking Mrs. Hill to comment on her new position, she stated, "I'm enjoying working at the museum very much and with the people connected with it."

An important point, Mrs. Hill highlighted was this: "The idea that museums are dull and drab doesn't hold true for Maturango Museum because there is always something going on here. For instance, we had two bus loads of first and second graders coming from Mojave to take a tour of the museum."

Her other duties as executive secretary involve typing and filing for Board Members and the Director; answering correspondence, and arranging tours.

She is married to Don Hill of Hill Enterprises in Ridgecrest. The Hill's have two daughters, Sabrina, 10, and Valorie, 8, and reside at 1744 Mahan Street in Ridgecrest.

Mrs. Hill is on duty at the museum Tuesday and Thursday each week.

Admiral Moorer Reminds Navy Men of Loyalty - Allegiance

Our country is engaged in a most significant national effort in support of the Republic of South Vietnam against the current aggression. In the U.S. and abroad, there are groups functioning under various slogans who are actively engaged in efforts to subvert the loyalty, allegiance and morale of the members of the U.S. Armed Services, and to otherwise obstruct our military operations. There are also some bona fide pacifist groups in the U.S. who are attempting to exercise their right to effect a change of government policy by constitutional means in winning over a majority of the electorate to their view. Thus, it is difficult for the average member of the Armed Services to be able to distinguish between legitimate political minority group actions and subversive propaganda aimed at weakening the military effort. I am concerned lest Naval personnel be duped by subversive groups taking advantage of this situation and be led to erroneous conclusions.

With respect to proper performance of their military duties in accordance with their oath of office as members of the Armed Services of the United States, all hands are to be cautioned against improper influence by any of the various groups posing as peace advocates. Subversive groups are seeking defectors for propaganda purposes and really have no interest in the individual otherwise. The individual defector is abandoned when he loses his propaganda value.

An unauthorized absentee lets down his shipmates in any case, but defection to a foreign country is strong proof of the intent to desert. The statute of limitations is lifted so long as one remains outside U.S. jurisdiction and whenever a defector returns to U.S. soil he is liable for court-martial action as a deserter, with a maximum sentence of a Dishonorable Discharge and five years' imprisonment at hard labor.

Commanding officers are directed to address this problem and assure that our young men are properly indoctrinated in the full responsibilities they bear under the constitution of the United States, including the full meaning of their oath of faith and allegiance and the consequences flowing from a violation of that oath.

ADMIRAL J. H. MOORER
Chief of Naval Operations

NWC Makes Telemetry Change

(Continued from Page 1)

Government labs. An extensive flight test program was established at that time and is continuing. In addition, investigation of airborne antennas which could be used on a "family" of missiles was assigned under the task. A new "wrap-around" design is currently undergoing captive flight tests and will be power flight tested in the near future.

Shrike Shows Proof

"We have had much better results than we expected with the Shrike UHF prototype test. Our UHF equipment may turn out even better results than with VHF," said Billups.

A new transmitter, smaller than the old VHF model, was found for the Shrike, a new, smaller, antenna mounted. The old whip antenna was about 11 inches long and 1/8 inch in diameter. The newest one for UHF, is only three inches long, one and a half inches high and a quarter-inch wide. These are mounted in a set of four around the bird's midsection.

An antenna study, now underway in Code 30601, is aimed at developing an encircling, flush-mounted UHF antenna (very hard to do at VHF), promising a better transmission pattern. The ground receiving system used for the Shrike test was developed under the task assignment by Code 30601, and represents the newest available equipment for UHF telemetry.

George Hudson, project engineer for the Shrike telemetry changeover, found and adapted the new transmitting equipment. Although there are few

manufacturers of the proper size components as of now, he expects many more to come into the field soon, due to the national changeover.

Monnie Stanley, an electronic technician, did environmental testing of the new components. He had shock tests performed and tested the components down to minus 80 degrees Centigrade, exceeding the specifications. All tests were satisfactory.

Ground Telemetry Developed

More for less is the story of the new tracking and data gathering equipment developed by using an old radar van and antenna already on hand.

"The Center developed its own ground antenna system, and obtained higher performance at a lower cost than with VHF," said Billups. He reported tracking rates of almost 50 degrees per second with a 10-foot solid disk antenna moving inside an air inflated fabric bag. The unit uses a monopulse feed receiver.

Robert Merriam, head of Code 30's Engineering Group, Instrument Operations Div., is program manager for the ground station UHF conversion effort at NWC. Working with him on the ground telemetry, are Jerry Allen, Virgil Christenson, Roy Rockstrom and Bob Rockwell.

Both monopulse and conical scan auto-track receiving systems have been developed "in-house." Evaluation of the various systems is being carried out by the engineers, assisted by Sid Busch and Harold Murphy, development technicians.