Page Eight

cert series.

politan Auditions of the Air at

FRANK GUARRERA

the age of 21, Guarrera has be-

come one of America's most

sought-after performers. He has

in the past 11 years not only

appeared more frequently at

the Metropolitan than any oth-

er baritone, but is also a reg-

ular guest star with the opera

companies of San Francisco,

Cincinnati, New Orleans, and

him across America many

times and to Puerto Rico, Mex-

ico, South America and Cana-

da. Radio and TV listeners

know him through such shows

Concert tours have taken

Philadelphia.

Baritone Frank Guarrera

In Concert Here Tuesday

Concert Association's 1968 con- his audience still further.

ROCKETEER

Friday, February 2, 1968



"AN AMERICAN IN PARIS" (113 Min.) Gene Kelly, Leslie Caron

7:00 P.M. (Musical/Drama) Gershwin's lilting tunes background a story of an ex-GI who be-comes a detsitute Parisian painter. A newly found "patron" affectionately sets him up in a new studio, but he falls in love with a dancer. It's a classic. (Adult, Matur "Roden to Stardom" (7 Min.

TURDAY

"THE LONG SHIPS" (125 Min.) **Richard Widmark** 1:00 P.M.

Shorts: "Zoo's Company" (7 Min.) "King of Carnival" No. 9 (13 Min.) -EVENING-

"THE SEA PIRATE" (83 Min.) Gerard Barray, Terence Morgan 7:00 P.M.

(Adventure) A privateer breaks the Eng-lish blockade on the Isle of France in the Indian Ocean and captures ships and booty. Deprived of any of the spoils he sets out with blazing sword to conquer again and win lady fair. (Alult, Youth, Children.) Shorts: "Chips Ahoy" (7 Min.) "High Steel" (15 Min.)

UNDAY-MONDAY FEBRUARY 4-5 "MAROC 7" (92 Min.) Gene Barry, Cyd Charisse 7:00 P.M.

(Crime/Adventure) Editor of a fancy fash ion magazine uses her fame as access for stealing fabulous jewels and an undercover policeman blackmails his way into her set-up. Crime and fashions mix well with pretty girls and intrigue. (Adult, Mature Shorts: "Cool Cat" (7 Min.)

'Press on Regardless'' (12 Min.)

FEBRUARY COMMUNITY CONCERT SERIES Guarrera, Baritone 8:00 P.M.

FEBRUARY WEDNESDAY "GENTLE GIANT" (93 Min.) Dennis Weaver, Vera Miles

7:00 P.M. (Adventure) Here's the fore-runner TV's famed Gentle Ben series about a young lad and the bear cub he fights to keep. Poachers try to snatch the cub and the game warden tries to catch the vil-lains. It's a load of fun in Florida. (Adult, Youth, Children.) Short: "Texas Today" (19 Min.)

FEBRUARY 8-9 THURSDAY-FRIDAY "BATTLE OF THE BULGE" (140 Min.) Henry Fonda, Robert Ryan

7:00 P.M. (War Drama) Suspicions of a Lt. Col. that something is being planned by the Germans in Ardennes Forest are over-ruled by high command and then came the Tiger tanks and infiltration. This is the big one, hard-hitting, realistic! (Adult, Very Mature

Junior Bowler

(Continued from Page 7)

Ed Albright rolled 257-217-158 for a 632 to lead the Midhow lunar colonies might be way League. Steve Stephenson established, developed and was second with 200-227-192 for supplied, and how the moon a 619. Maury Coleman rolled might be utilized for "farming" 226; Bill Ascroft 215 and Don or for observing stars in deep Tucker 212-200 in other highlights

Cynthia Schoenkals rolled Lake Astronomical Society will 209-533 to lead the Monday present an illustrated lecture Women's Scratch League. and lead a "Star Party" field Royce Dowd and Alice Cutsintrip Friday, February 2. This ger each had 508 while Charwill be the first field trip and lotte DeMarco hit a 504. The Mu- 200 games included Cutsinger 210, and Patty Maxwell, 201. In The lecture will begin at 7:- the Thursday Afternoon Trio,

will be set up to view the great Work: Something that when spiral galaxy in Andromeda, we have it we wish we didn't; the winter Milky Way, and oth- when we don't we wish we did; er star clusters of interest. and the object of which is to The public is invited to both be able to afford not to do any someday.



CBS-TV Network will present an hour-long documentary titled "Destination North Pole" Wednesday, February 7. It includes fine coverage of "Operation Birdshe'

grace on stage, his great success in these roles may also be attributed to the fact that, as part of his preparation, he does thorough motivational study of each character he portrays. For the role of Escamillo in "Carmen," he studied bullfight-

ing from such experts as Barnaby Conrad and Sidney Franklin-minus the bulls, of course. The result has been an overwhelming success. The board of directors of the

"The Barber of Seville."

China Lake Civic Concert Association has announced that individual seats will be sold for the Guarrera concert on Tuesday.

The box office at the Naval Weapons Center Theater will be open at the following times to sell tickets:

Friday, February 2, and Monday, February 4 from 11:30 a.m. to 1 p.m. and from 4:30 to 6 p.m.

Tuesday, February 6 from 11:30 a.m. to 1 p.m. and after 7:30 p.m. to concert time.

Individual tickets for the concert Monday night are priced at \$3, \$4, and \$5, depending upon location at the NWC Theater. Elementary and high school students may obtain tickets at half price and servicemen may obtain their tickets for \$1.50.



DISNEYLAND, USA - The main entrance to Fantasyland is approached by members of the Navy and Marines taking advantage of the entertainment at Disneyland. During special "Armed Forces Weekend" planned this spring, military personnel may purchase a single ticket good for both Saturday and Sunday, including a 12-ride book for any attraction - a \$15 value for \$5. Only active duty and retired military personnel and their families will be eligible for "Armed Forces Weekend Passes." Uniform not required. Get your Magic Kingdom Club card at NWC Community Center or call Mrs. Ann Seitz, Ext. 72010 for additional details. This will be an outstanding opportunity for military families to take advantage of special values.

Color Slide Talk Headed by Former German Physicist Dr. W. Spilger

Dr. Werner Spilger, a form- to the China Lake Astronomic-

er German physicist in the al Society February 5, 1968, at Dr. Spilger was engaged in

the study of air currents using gliders to observe the effects. As he studied, he became interested in atmospheric conditions and the weather and the need for planning ahead to control the weather.

Also, a 30-minute color movie "To The Moon" will be shown. This film illustrates space.

Jim McMahan of the China ecture of the seum year.

30 p.m. at the Weapon Exhib- Wanda Magars led the way with it Center auditorium, followed 476, and Connie Evens had high by a caravan trip to Haystack game with 185. Mountain, where telescopes

of these presentations.





SCENIC BEAUTY-Taking a trip to Walker Pass last weekend, the photographer happened upon this scene of magical beauty. Trapped in the lens of his camera, this

fairyland of quietness covered with a blanket of fresh snow and guarded by the majestic pine tree sentinels which contributes to a pleasant photographic composition.

Winter Displays A Snow Blanket at Walker Pass

field of aeronautics, will pre- the club house at 401 McInsent a lecture with color slides tire, China Lake, at 7:30 p.m.



ROBERT B. HALL M.S. Earned By Robert B. Hall, **Research Engineer**

Robert B. Hall, a materials research engineer in Code 4513, is a recent recipient of the UCLA M.S. degree in engineering which was awarded on the basis of course work completed in the UCLA Off-Campus Program at China Lake and on his thesis, "Molten Flow Through Porous Media."

A graduate of Union College, Schenectady, New York, Hall became a Junior Professional in the Underwater Ordnance Department at Pasadena in February, 1960. Upon completion of his tour, he joined Code 5516 at China Lake, and in October, 1965, moved to his present assignment in Code 5516 at China Lake, and in October, 1965, moved to his present assignment in Code 4513.

Hall is married to the former Carol Elwood who, prior to their marriage in 1964, was a teacher in the local elementary schools. Now residing at 405-A Thompson Street, the Halls have two children, Robert, Jr., two years old, and Jennifer, 11 months.





FAST, ACCURATE NEW INSTRUMENT -Physical science aide Joe Johnson (standing) and Dr. Wayne Carpenter of Code 50's Organic Chemistry Br. check wide photographic chart paper as it comes out of electronic circuitry console with analysis results. Johnson works with the new mass spectrometer full-time, and Dr. Carpenter is now working with it on project. Instrument can resolve to one-in-20,000 difference.

Speed, Accuracy **Are Advantages Over Old System**

BY JOHN R. McCABE A powerful new analytical tool of the Research Department in Michelson Laboratory is now well along the way to proving its worth in a variety of studies.

The Department's new mass spectrometer system, installed in the chemistry wing of the Lab last November, is proving itself to be quicker, more accurate and more reliable than any previous system for analyzing the elemental constitution and molecular structure of solids, liquids and gases, according to Dr. Alvin S. Gordon, head of Chemical Kinetics Branch.

The new system is a Hitachi RMU-6D mass spectrometer. Its over \$70,000 worth of equipment allows the various ions of parent molecules to be measured with great accuracy, in the same experiment with measurement of the fragment ions of the molecule. This mass spectrometer is able to resolve ion particles as little different from each other in mass as one part in 20,000.

The department's old spectrometer, with a resolution of one part in 400, is now in use (Continued on Page 3)

CBS-TV Will Air North Pole Story Next Wednesday

The basic story is that of the Plaisted Polar Expedition's ill-fated attempt to be the first since Admiral Byrd to transit the Arctic ice to the pole. Plaisted will set out in late February on his second attempt.

A book on the expedition, written by CBS correspondent Charles Kuralt, will be featured in the April 1968 issue of Reader's Digest. Viewers are advised to consult local listings for time and station. The television production will be shown in San Diego on KFMB-TV, Channel 8, at 7:30 p.m., February 7.

Civil Defense Supplies Added in New Delivery

emergency shelter spaces plan- additional sanitation and othned for all Indian Wells Val- er convenience supplies as well ley residents now in hand, IWV as two water tank cars. This Civil Defense people this week "train" will be dispatched to set aside in readiness another the Searles Station Civil Deshipment of emergency plies.

Additional civil defense supplies consisting of food, medical and sanitation kits were recently delivered to the Indian Wells Valley to augment existing stocks. The new deliveries are the result of an updating shelter survey in the val-

According to H. G. Wilson, Director of Indian Wells Valley Civil Defense, these additional supplies add 67,500 "meals" to the 270,000 "meals" already stock-piled. The shipment also includes first aid and sanitation supplies.

Mobile Stockpile

The stocks were loaded into one of the two civil defense boxcars set aside to be dispatched in case of national emergency. The "train" being readied will include, besides the stockpiled food supplies in the

With all but a fifth of the boxcar, an electric generator, fense Staging Area to care for approximately 7,000 Valley residents.

Wilson also announced that we are rapidly closing the gap and now have 80 percent of the shelter spaces required for valley residents, and negotiations are underway for the balance. He emphasized, however, that assignments to individual shelters will not be made until we have enough for every person in the valley.

In answer to what interested persons can do to help civil defense preparedness, Wilson encouraged all to assist in building up the auxiliary police force. The civil defense police are needed to assist in an emergency to direct traffic, control crowds, prevent riots and looting.

The first step in volunteering for this important function

(Continued on Page 3)



SUPPLIES FOR CIVIL DEFENSE - H. G. Wilson, IWV Civil Defense Director, supervises loading of additional supplies for local civil defense shelters. The supplies include food, medical aid and sanitation kits, ready for use in case of emergency.

Page Two

CHAPLAIN'S MESSAGE

Charity And **Politics**

CHAPLAIN JUDE R. SENIEUR

With enthusiasm I endorse the opinion that clergymen should stay out of politics. In their private lives they certainly may and should have political, even party-line convictions. Neither the pulpit nor the pew, however, is a place to air subjective political preferences. Politics simply is not our business.

But charity is. And when a politician, in his enthusiasm to win votes, begins to judge an opponent's motives and malign his character in pointing up his mistakes, he needs to be reminded that politicians are not exempt from God's law of love and the respect for the rights of others.

We may question a man's talent, his wisdom, his ability to make the right decisions. We may challenge his methods, his judgements, his attitudes, his thinking. But when we start judging his motives we are on very dangerous grounds.

To accuse a man of malicious malintent is to do little more than condemn ourselves. In judging a man's motives we are simply saying "If WE did that, this is why WE would be doing it!" It is next to impossible to judge a man's motives for an action unless the man explicitly describes those motives himself.

When journalists repeat in print and the public accepts these uncharitable attacks on the personal integrity and motivations of a political opponent, we are contributing to and cultivating malpractice in politics.

We encourage our young people to take an interest in the operation of our self-determining government. With the publicized display of unchristian and ungodly attacks on the personal character of candidates for public office or on those already holding public office, these young people can hardly help but come to the conclusion that politics is a cut-throat racket in which all principles of morality are set aside in an effort to win an election

How can they respect a man who gets into office by such malignant methods? How can they accept him as a leader dedicated to the pursuit of freedom, liberty, and justice when he ignores the basic law of charity?

The ideals on which our American democracy was founded can exist only in an atmosphere of true love and respect, an atmosphere that is created not by a governor's mansion or the White House, but by the man who resides there.

CENTER LIBRARY LISTS NEW BOOKS

A complete list of new books is available in the library. Reston-The Artillery of the

Fiction Ayrton-The Maze Maker. Baker-The Making. Dutton-Thorpe. Early-The Tigers Are Hungry. Van der Post-The Hunter and the Whale. Snider-Edgar Henry Wilk-One of Our Brains is Draining. **Non-Fiction** American Heritage-Pictorial

Atlas of U.S. History. Asprey-The First Battle of the Marne Clark-Sea Power and Its Meaning.

Eckert-The Frontiersmen.

The Rocketeer Official Weekly Publication U.S. Naval Weapons Center China Lake, California

Capt. M. R. Etheridge, USN NWC Commander "J." Bibby Public Affairs Office

Joan Raber News Bureau Frederick L. Richard

Editor Staff Writers

Milt Sheely John R. McCabe Ed Ranck, Sports

Staff Photographers PHC Jerry Williams, PH1 Gary D. Bird, PH1 Philip H. Beard, PH3 Kenneth Stephens DEADLINES:

.....Tuesday, 4:30 p.m.

......Tuesday, 11:30 a.m. The Rocketeer receives Armed Forces Press Service material. All are official U.S. Navy photos unless otherwise identified. Printed weekly with appropriated funds in compliance with NavExos P-35, revised July 1958. Office at Nimitz and Lauritsen.71354, 71655, 72082

Press. Sinclair-The Better Half. Choate-Creative Casting. Mao Tse-Tung-Basic Tactics. Pearson-The Life of Ian Fleming.

Schecter-The New Face of Buddha. Spraggett-The Unexplained.

Thiel-Freehand Drawing. U.S. Navy-United States Navy Occupational Handbook. California Information Alma-

nac, 1967. Fine-Underachievers. Fredette-The Sky on Fire. Fromm-The Heart of Man. Hezlet-The Submarine and

Sea Power. Millar-The Birds and the

DIVINE SERVICES

Protestant-(All Faith Chapel)-Morning Worship-8:15 and 11 a.m. Sunday School-9:30 a.m., Chapel An-nexes 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.

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

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

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

ROCKETEER

PROMOTIONAL **OPPORTUNITIES** Present Center employees are en-couraged 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 neans to fill these vacancies.

Secretary (Steno), PD No. 100001A2, GS-318-5, Code 0001 — This position serves primarily as secretary to the Commander's Administrative Aide. Personal and tele-phone contacts, takes and transcribes dictation, originates correspondence, s c r e e n s mail, maintains files, and miscellaneous du-

File application for above with Sue Pras-olowicz, Bldg. 34, Rm. 26, Phone 71577.

Project Engineer, GS-12 or 13, Code 4563 Position with fuel-air explosive (FAE roject. Incumbent will have the responsi bility for the advanced and engineering elopment of an air launched, free fall AE weapon. He will direct the activity ther engineers in participating field activities (PFA) assigned to the project. A BS Degree in Engineering from an accredit-ed 4-year college is required. File application for above with Jan Bix-ler, Bldg. 34, Rm. 24, Phone 72723.

Electronics Technician, GS-7 or 9 (One va-cancy), Code 40053 — This position is lo-cated in the Weapons Development Department, Shrike Program Office. The in abent is one of a group of technicians esponsible for the assembly and checkout f missiles which are to be used for test and evaluation on the Shrike Program. Clerk-DMT, GS-4, Code 4055—Incumbent

will perform secretarial duties for the Branch. Duties will include transcribing and typing correspondence and memoranda, travel orders, clearance requests, etc.; screening telephone and office callers; re-ceiving and distributing incoming mail; and ining Branch files.

File applications for above with June Chipp, Bldg. 34, Rm. 26, Ext. 72676. Card Punch Operator, G5-356-2 or 3, Code 1781 - This position is located in Central Staff, Operations Staff. A basic knowledge of the operating methods for the electric accounting machine key punches, verifiers, and sorters. Performs clerical functions (auiting, coding and checking) needed to prepare source documents for use on data processing equipment. File application for above with Sue Pras-

slowicz, Bldg. 34, Rm. 26, Phone 71577. Clerk-Typist, GS-322-03 or 04, (Three vancies), Code 7512 - This position is cated in the Graphic Arts Branch, Presenons Division of the Technical Information Department. The duties will consist of rarityping, proofreading, paste-up and com

File applications for the above with Car-ole Cadle, Bidg. 34, Rm. 28, Phone 71648. Mechanical Engineer (Applied Mechan-ics), GS-830-11, PD No. 655086, Code 5566ncumbent is assigned the more complex problems requiring considerable judgment in making sound engineering decisions and compromises. Makes solutions of special/ unique weapon container problems and de-termines the required cushioning to protect the item. Performs applications of new materials to weapon container, provides liai son and technical consultation with contract

tors, engineers, and scientists. Mechanical Engineer, GS-830-9, Code 5542 — This position is located in the Engineering Design Branch, Engineering Prototype Division, Engineering Department. The incumbent works under the direct supervi-sion of the Head, Engineering Design Branch. His special task consists of the de-sign and drawing of tooling, special semiautomatic machines and/or devices which are used in the fabrication, testing, and inspection of prototype ordnance material. File application for above with Loretta Es-tep, Bldg. 34, Rm. 34, Phone 71514.

Clerk DMT, GS-4, Code 3067 - Responsi bilities are those of secretarial and clerica duties assigned with the operation of the Branch; preparing, handling and channel-ing of all types of correspondence and reports, personnel actions, timekeeping, plant account records and miscellaneous management of the office.

File application for above with Fawn Hay-tock, Rm. 34, Bldg. 34, Phone 71514. Clerk-Typist, GS-3 or 4, Code 3002 - This position is located in the Editorial Branch, planning and Administrative Staff, System Development Department. Incumbent must be a qualified typist, preferably with some experience in report formatting. Position requirements include the performance of general office work and miscellaneous duties

support of editorial functions. Technical Writer-Editor, GS-7, 9 or 11 (two vacancies), Code 3002 - These positions are located in the Editorial Branch, Planning and Administrative Staff, Systems Develop ment Department. Incumbents are expected to have experience in writing and edit-ing and a basic technical background. Work onsists of writing and editing technical documents related to research, systems develment, and testing and evaluation pro grams, based on interviews with workers in the field, notes and background files of rechnical personnel, and independent read-

tion for above with Fawn Hay-

cock, Bldg. 34, Rm. 34, Phone 71514.

SHARE IN FREEDOM ★ U.S. Savings Bonds

★ New Freedom Shares

'DESERT PHILOSOPHER' Just Horsing

By "POP" LOFINCK

Around

The ideal way to get the fullest enjoyment of the adjacent Sierra Mountains and to get full impact of the beauty of landscape is on horseback

Ask Ken Miller and his wife, Elaine. They are both saddle enthusiasts. Elaine is an authority on horses. She has studied horses all her life. Her father was a big game guide in Montana and she started riding when she was two years old.

They have a two-horse trailer they tow with their camper truck to where they want to start and then mount their horses to enjoy the thrilling beauty of the landscape, dark green forests against the background of purple mountains. There are places where even a four-wheel drive vehicle can't go. Up some canyons, for instance, and there are trails in the forest where motorized vehicles are forbidden. So you can only hike and carry your camera gear or ride a horse, which is more fun. A vehicle must be steered - it won't steer itself. On horseback you can give your undivided attention to the scenic beauty of the landscape and your dreams. That's the way to relax.

There are numerous boarding stables in Ridgecrest. L afternoon you can mount your horse and ride up over the n. to the Wagon Wheel Cafe, for example, and look at the strange formation of rocks.

There are probably several hundred saddle horses in this valley - but I'm surprised that there aren't a lot more, as this area is ideal for this sport, which has been neglected.

There are several boarding stables in Ridgecrest that charge \$30 a month when they furnish the feed and take care of the horse. If you furnish the feed the cost is \$15 a month.

Bill Chappell teaches basic riding at the "Bottom Acres Stables." He will teach you how to ride for \$4 an hour, if you've never been on a horse. He also breaks and trains horses at Bob and Lorry's Arabian Stables in Ridgecrest. Chappell has special horses that are very docile for this training and he has turned out some expert riders.

The idea is to teach you how to manage a horse in an emerency. There are hazards such as a ground owl flying up suddenly scaring a horse. Or a rattlesnake causing the horse to make a quick jump that might dump the rider if he is not trained how to manage his horse. When a horse knows his rider the horse learns to accept surprises without panic. The horse gains confidence in his rider.

When a horse knows his rider and the rider falls in love with his horse — there is no danger. There is also a proper way to sit in the saddle - with the right length of stirrup-etc.

The Bottom Acres Stables take out small groups in outlying areas for \$2.50 an hour. There is a Valley Riders Club that go out overnight camping in a group - for sociability if that's what you like.

Personally I'd rather commune with nature alone or with one other person.

In the next column-the mid-west Indians and thei. horses, brought in by Cortez.

HE TRAILS ACHIEVEMENT - Tim L. McClendon, retired last November from Civil Service as a Code 3043 instrument maker, demonstrates his improved dial engraving jig to (left) Dr. I. E. Highberg, head of Systems Development Dept., and F. M. Ashbrook, head of Instrument Development Div. Dr. Highberg then presented Tim with a \$250 Beneficial Suggestion award. A patent on the device has been applied for. Now a machinist at Arrowsmith Tool Manufacturing Corp., Tim lives in Inyokern. In March last year he received a certificate of commendation from the Secretary of the Navy, in addition to his 40-year Federal Service pin. Tim became a China Lake craftsman in 1950, three years after retiring from the Navy as a CWO.



Friday, February 2, 1968







Chuck Cutsinger rolled 194-203-237 for a 634 to lead the way in the Friday Mixed Foursome. Ray Freascher had high game with 267 and second high series with 628. Alice Cutsinger led the ladies with 484 while Margaret Branson had high game with 196. Other 200 games included Jack Leininger 247; George Barker 244; George Mullett 224; Jack Herbstreit 213; Fred Dalpiaz 209; Bob Owens 211-202 and Dan Branson 200.

Friday, February 2, 1968

BOWLING CHAMPS - Awards were presented to champion women bowlers of 1967 at the executive board meeting of the Indian Wells Valley Women's Bowling Association by Dotty Duncan, president. Mrs. Dun-

can (I) awards Lee Fox a 600-plus series trophy. Neola Crimmins holds her 600-plus trophy and another trophy for her High Series of the Year; Winnie Stanton earned

Leads Lakers With 638 Mark

Charles Goff led all bowlers at the China Lake Bowl last week, hitting a 638 in Junior Mixed League. Goff rolled games of 209-224-205 to post one of the highest series rolled this year in the League. Bob Nelligan had high game in the league hitting a 230. Patty Dalpiaz rolled a 467 to lead the girls, while Connie Clark had high game with 167.

In the Desert Handicap League, Ken Dalpiaz led the way with 232-170-222 for a 624 series. Norm Rumpp had high game with 245 while Alex Ribultan had 223-215: John Dowd had 214; Craig Rae 211; and Dura Pinkerton and Don Farnahm each had 210.

(Continued on Page 8)

pair of games last week to ex- Rebels to stay close. Ellwangtend their winning streak to 11 er and Atkinson were high for games as the China Lake Bas- VX-5 with 15 points each. ketball League began the final week of play.

Loewen's won their 10th in a row, defeating Genge Industries, 77-61. The Falcons went ahead 14-11 at the end of the first period then steadily widened the lead after that. Bill Allen was high for the Falcons with 18 points while Ron Melia had 15. Jerry Tyler hit 28 for the Chaparrals and Duane Blue had 14.

Jim Ayers and Allen led the Falcons to an easy 87-37 victory over the Special Services Spoilers. The pair hit 17 and 16 points respectively, as Loewen's jumped to a 52-14 lead at halftime, then coasted to victory. Ayers had 21 for the Falcons and Allen had 20, while Dink Patterson led the Spoil-

ers with 15. The NAF Hawks also won two games to stay within striking distance of the leaders. Mike Barnes scored 27 points to lead the Hawks to a 65-59 victory over the VX-5 Rebels. The Hawks led throughout the game, though the shooting of Ron Lyons, Terry Atkinson and

The Loewen's Falcons won a Gary Ellwanger helped the Fire Down Below

Barnes and Gary Peeples led The Falcons rolled to two a 28 point third period surge more easy victories and main- as the Hawks downed the tailtained their slim lead over the end Spoilers, 88-46. The Hawks second place NAF Hawks. jumped to a 36-24 halftime lead, then broke the game open early in the second half. Barnes was high man for the night with 24 points, while Bob Bartlett hit 16 for Special Services.

Ellwanger and Atkinson led fourth period rally as the Rebels came from behind to tie the NWC Tigers, then went on to win in overtime, 58-51. Trailing 46-32 at the start of the final period, VX-5 outscored the Tigers 17-3 to tie the game at 49-49 in the closing seconds. Atkinson scored a pair of key baskets in the overtime session to lead the Rebels. Atkinson led the Rebels with 18 points while Ellwanger had 16. John Nonaka was high for NWC with 17.

The Rebels overcame an early VX-5 Vampire lead in the second period, then went on to defeat the Vampires, 58-47. Ron Lyons led the way in this one, hitting 11 points in the second period as the Rebels took a 25-20 halftime lead. The Vampires stayed close in the third period with Pat Klaur doing most of the Vampire scoring; however key baskets by Terry Atkinson late in the game helped the Rebels pull away. Lyons was high for the Rebels with 21 points, while Klaur hit 19 for the Vampires.

STANDINGS

| | W . | |
|------------------|------------|---|
| Loewen's | 11 | |
| NAF | 9 | |
| VX-5 Rebels | 6 | |
| Genge Industries | 4 | |
| NWC | 4 | |
| VX-5 Vampires | 1 | |
| Special Services | 1 | 1 |

SCORING

| | Pts. | Avg |
|---------------------|------|------|
| Ellwanger, Rebels | 155 | 14.1 |
| Barnes, NAF | 141 | 14.1 |
| Klotz, NWC | | |
| Allen, Loewen's | 133 | 12.1 |
| Blue, Genge | 119 | 14.8 |
| Lyons, Rebels | 116 | 10.6 |
| Tyler, Genge | 113 | 12.6 |
| Atkinson, Rebels | 110 | 12.2 |
| Paterson, Spcl. Ser | 108 | 9.8 |
| Berry, Genge | 107 | 11.9 |
| | | |

THE LOCKER ROOM

Volleyball Returns



By ED RANCK

After an absence of nearly two years, volleyball will return to the China Lake intramural sports agenda - in a few weeks. The first call for team entries was made this week by Athletic Director Ray Gier, and it is expected that the season will begin on February 20.

Until now, the game hasn't been particularly well received here. In past seasons only a minimum amount of clubs have entered the competition, and attempts to organize teams to enter Class A competition have been only moderately successful. Possibly one of the reasons for this is that there may be a certain amount of confusion as to how the game is actually played

Volleyball is a game that may have more variations of style and a broader interpretation of the rules than any other sport known to man.

On one hand, the game is one of the fastest team games around, requiring highly developed skills, speed, stamina and many hours of team practice. On the other, it is a game that is sometimes played with all the aggressiveness of a fast round of pattycake.

WHO PLAYS THE GAME

Depending on who is playing the game, both examples go a long way toward giving a reasonably clear explanation of the game. At the Olympic level, the first example is correct. On the athletic field of the average Southern California nudist colony, example number two tells the story. Because of the fact that there are no Olympic volleyball players here at China Lake, and the number of nudists is unknown, neither interpretation would be exactly correct when applied to the game as it is played here.

Volleyball as played at the intramural level isn't an extremely hard game to master. Although the necessity of teamwork and skill is there, the interpretation of certain rules is such that most people with a reasonable amount of coordination can enjoy the game. The basic rule which is usually relaxed a bit concerns the manner in which the ball is hit. According to volleyball rules, any hit that comes vaguely close to a throw is illegal.

A PREMIUM ON DEXTERITY

Learning to control a volleyball effectively without actualhandling it is a skill that takes many hours of practice. It is this rule that usually discourages those that would otherwise like to play the game. In intramural competition, the players are usually given the benefit of the doubt in borderline cases.

Although an actual throw is strictly illegal, a little bit of finger tip control is usually allowed. This slight modification of the rules serves two purposes. It keeps the game moving by eliminating frequent whistles for minor infractions and it also encourages those who are new to the game to give it a try. With sensible officiating, intrmural volleyball can be a fast and exciting game available to all who enjoy good team competition

The season will open on February 20 and should extend until mid-April. Entries are being taken now, with the deadline set at February 9th. As usual, a pre-season clinic for players will be scheduled prior to the opening game. All departments interested in entering teams in the league are requested to contact Ray Gier at Ext. 71334.



FAST, TRICKY PLAY - In China Lake Invitational tournament play last spring, 10 civilian and military teams showed the speed, skill and endurance necessary to win in an active volleyball league. China Lake's Intramural Volleyball League is set to start play February 20 this year with teams of 10 players each, maximum. Rosters should be submitted to Special Services, Code 855, no later than Friday, February 9, for each team entered. m 16 5 00 p.

WATER SAFETY CLASS - Robert Westbrook (I), American Red Cross First Aid Instructor; Terry Chatterton, Water Safety Aide, and Fred Scaffer, First Aid and Water Safety Instructor from Bakersfield, Calif., demonstrate the latest safety techniques during the January 21 water safety class held in the Center pool. Scaffer has been a volunteer teacher for more than 40 years and spent part of his time at NWC updating first aid information to his students.



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High Game of the Year honors.

Junior Bowler Falcons Soar Ahead, **Hawks Tail Leaders**

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ROCKETEER

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Group Life Insurance Protection Plan May Effect Employees Checks

The new Postal Revenue and employee decides not to buy. Federal Salary Act of 1967 If a decision is to buy, the premakes important changes in mium (deducted from the pay) the group life insurance pro- will vary by age and will intection plan for Federal Civil crease as the employee moves Service employees working at Naval Weapons Center.

cern to them. One change under the new Only employees who have act announces that an emploregular insurance are eligible yee now has \$10,000 regular in- for optional insurance. Emplosurance if his annual pay is yees who have waived regular insurance will be given a \$8,000 or less or regular insurance equal to his annual pay chance to cancel the waiver. rounded to the next higher \$1,-As soon as supplies of appro-000, plus \$2,000 (but no more priate forms of election, declithan \$2,000) if his annual pay nation, or waiver of life insurance coverage are received at is more than \$8,000. There is no immediate effect NWC, they will be distributed on the employees pay check to all employees.

ance.



McLEAN'S FETED AT FAREWELL - Mrs. LaV McLean (I) prepares to lift out a silver tray while her husband, Dr. William B. Mc- M. R. Etheridge, NWC Commander.

Lean observes her efforts. The silver tray was presented to the McLean s' by Capt.

New William B. McLean Award **Unveiled at McLeans' Farewell**

Weapons Center Officers' Club, Friday evening, January 26.

Doctor McLean had been Technical Director of the Naval Ordnance Test Station prior to the official change of name for this Center. He and his wife, departed for a new assignment on Saturday, January 27, as Technical Director of the Naval Undersea Warfare Center located at San Diego, California.

During the farewell ceremonies, in which more than 250 guests turned out in honor of the occasion, Doctor McLean was privileged to read for the first time the New William B. McLean Award.

The first award, presented to Doctor McLean, read in part: In recognition of outs creativity as evidenced by patents granted to you that contribute to the mission of the Naval Weapons Center, and thus of the forces of the United States Navy . . .'

ved from a previous meeting ley Pony-Colt League. First orbetween Capt. M. R. Etheridge, NWC Commander; Capt. R. for 7:30 p.m., Thursday, Feb-Williamson II, NWC Executive ruary 8 in Room "C" in the Officer, and H. L. Wilson, Community Center. NWC Associate Technical Director.

Captain Etheridge presented the McLean's an inscribed silver tray. Also presented were gifts from friends including the Dust Devils and Purple Sage Scroll and a NOTS plaque and plastic desk set.

ed the McLean's a collection of ed two 10 - year extensions color photographs portraying giving them a "life expectanthe Center facilities and gene- cy" of 30 years. All are still ral geographical areas around China Lake.

Dr. and Mrs. William B. Mc- The Engineering Depart-Lean were the special guests ment gave two desk sets of na-

of honor during a farewell par- tive polished rock, to include a ty for them held in the Naval pen and pencil set and a model of "Hikino," Doctor Mc-Lean's Undersea Jeep. Mrs. Etheridge gave Mrs. McLean a gold road runner pin, while Dr. Thomas Amlie's model of the "Moray," the two - man underwater submarine, was a surprise gift.

Hack Wilson provided the McLean's with a 40-foot painted canvas depicting a full-sized "Moray."

An oil painting of Argus Mountain, painted by Margaret Mack, was another gift and Dr. Newt. Ward presented an aerial photo of the valley along with a tinted bristle cone pine photograph

The evening's activities were highlighted with a slide show of various Center personalities titled with "goofy captions."

Pony, Colt League First Meeting Set There is an urgent need for

adult volunteers to help form The idea for the award evol- the annual Indian Wells Valganizational meeting is slated

> League play will begin when local schools are dismissed for the summer vacation.

Additional information may be obtained by calling Bob Nelligan at Ext. 72690.

Series E U.S. Savings Bonds purchased between May 1941 Captain Williamson present- and May 1949 have been grantearning interest - now at the increased rate of 4.15 per cent.

Automatic Phone Dial System, A Future Plan

Agreement by the Navy to of the new plant. An 18 month Telephone Co. certain distribution facilities and station equipments related with providing unofficial telephone serv-Naval Weapons Center, China Lake, was reported here today.

A joint statement by Captain M. R. Etheridge, commander of the Naval Weapons Center, and A. S. Taylor, vice president and general manager of the Continental subsidiary, announced the agreement committing the local utility to the construction of a modern telephone plant, including development of an automatic dial central office and modifications and reinforcements to outside distribution facilities.

Negotiations have been carried out between the company and the Southwest Division, Naval Facilities Engineering Command, San Diego, and with the Naval Weapons Center, at China Lake. Terms of the a greement were recently officially consummated, gaining Defense Department and Congressional approval.

Generally, Continental's California Interstate operating subsidiary will purchase the existing plant now providing unofficial telephone service to the housing areas, the value of which remains to be specifically determined, with the Navy to defray certain construction costs in bringing the outside plant up to state safety code requirements. However, it is estimated that the total investment by the telephone company will exceed \$2 million.

A portion of the base housing is presently served by the company. The agreement relates to providing telephone service to the balance of the base residential units. Some 2,-300 stations are involved, the preponderance of which are currently provided four - party telephone service.

Transfer of service obligations from the Navy to the local telephone company cannot be carried out immediately, but is scheduled to coincide with completion and turn up

AET Cheques Now Available at NWC Fed. Credit Union

American Express Traveler's cheques are now available for sale to NWC Credit Union members at the credit union office, according to J. E. Goza, Manager.

A traveler's cheque, according to American Express, is perhaps the only thing in the world that is bought because it might get lost. Traveler's cheques enjoy immediate rec-ognition and wide spendability. Purchasers may use them anywhere in the world as local or U.S. currency. These cheques are honored without hesitation and expertly serviced by the world's largest travel and financial organization.

Credit union members who require large sums of money for official travel, or vacations are invited to purchase traveler's cheques. Purchase can be made in a few minutes - Monday through Friday from 9:00 a.m. to 5:00 p.m.

sell to California Interstate construction period has been projected, placing tentative transfer of the facilities in August of 1969.

Plans call for California Inice to residential areas of the terstate to operate the new Naval Weapons Center Central Office as a satellite office within the company's Ridgecrest Exchange

Several modern service features will be available to many on - Center residents for the first time. The company will be able to provide one-party service for all base residents, however, other grades of service also will be available. One service feature includes access to the nation's distance - dialing network, allowing direct dialing of long distance calls.

Officers for New Term Installed At CPO Club Meet

The installation of the 1968 officers and committee chairmen of the CPO Wives Club was held January 19 at the CPO Club. Special guests included Lt. and Mrs. Ken May and Chaplain Paul Romantum who acted as installing officer.

A prime rib dinner was served, after which the committee chairmen were installed. They are: Publicity Chairman, Mrs. Billy Ellis; Hospitality Chairman, Mrs. Verne Tracey; Membership Chairman, Mrs. Robert Beech; Entertainment Chairman, Mrs. Paul Menges; Sunshine Lady, Mrs. Frank DeLeon, and Telephone Chairman, Mrs. Bruce Griffin.

Newly elected officers include: President, Mrs. Robert Packard; Vice-President, Mrs. Harold Schmeer; Secretary, Mrs. Robert Campbell, and Treasurer, Mrs. Dan Harrington. Mrs. Packard will be serving her second consecutive term as president.

The club's plans for this year include a membership drive and raising money for future charity projects. Members also plan to get together and make stuffed toys for the children in the hospital.

Outgoing officers were: Mrs. Robert Packard, Mrs. Lloyd Versteeg, Mrs. Archie Young, and Mrs. George Beatty. The installation meeting was concluded with a benediction by Chaplain Romantum.



CPO WIVES ELECTED - Newly elected committee chairmen of the CPO Wives Club are back row (I-r) Mrs. Frank DeLeon, Sunshine Lady; Mrs. Verne Tracey, Hospitality Chairman; Mrs. Robert Beech, Membership Chairman; Mrs. Paul Menges, Entertainment Chairman; and Mrs. Billy El-lis, Publicity Chairman. Officers installed are front row (I-r) Mrs. Robert Campbell, Secretary; Mrs. Harold Schmeer, Vice-President; Mrs. Robert Packard, President; and Mrs. Dan Harrington, Treasurer. Not pictured is Mrs. Bruce Griffin, Telephone Chairman.



FAREWELL - LCdr. Fredrick H. Elliott, Commanding Officer of NWC Enlisted Per-

sonnel since June 1965, passed his command last Friday morning to Cdr. W. P. Baker. Retiring after 20 years of Navy service, Commander Elliott said, "This has been a really enjoyable tour for me

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According to officials of the checks that is of personal con-

unless a pay raise moved the person into a higher \$1,000 salary bracket. If it did or will in will be increased to cover the new \$1,000 of regular insur-

Furthermore, in the first pay February 2, 1968 the emploly rate of 271/2 cents (instead of 25 cents) for each \$1,000 of regular insurance he has.

Another change reflects an additional \$10,000 optional insurance good until February 14, 1968. There is no effect on the employees paycheck regarding this change. This is free until February 14.

Employees also have a decieffect on the pay check if an or 375-7448 (home).

from one age group to another. Initially, deductions will be: \$3 biweekly for those under 35; Employee Management Rela- \$6 biweekly if between the agtions Division at NWC there es 35-54; \$20 biweekly when are some interesting changes the 55th age is reached. No and effects in employees pay deductions will be withheld unless the employee specifically authorizes them.

Red Cross Offers the future, life insurance de-ductions from the pay check Life Saving At **Pool Saturdays**

A Red Cross Senior Life-savperiod beginning on or after ing course will be offered at the Center swimming pool on yee starts paying at a biweek- Saturday mornings from 8 to 11 a.m.

> Enrollment and qualification information will be given on Saturday, February 3, at 9 a.m. The actual instruction will begin on Saturday, February 10. Classes will convene at the Center swimming pool and will continue for six weeks.

Applicants must be at least sion to make, no later than 16 years old or in the 11th April 14, 1968, about continu- grade. Further information can ing the \$10,000 additional op- be obtained by calling Kel tional insurance. There is no Bennett at Ext. 71386 (work)



FINE ADJUSTMENTS - Joseph H. Johnson adjusts sample introduction control of new mass spectrometer. lons from sample are

accelerated, separated and focused onto collector plate by 220-volt, 50-ampere pole magnet (right).

Mass Spectrometer Helps Research

(Continued from Page 1)

at the Naval Postgraduate School in Monterey.

Dr. Gordon, who is in charge of the instrument's use, points out that it will be available to any researcher of the Naval Weapons Center.

"It can be used in a tremendous variety of research as a basically analytical instrument," he says. It has already been used by Corona members of the Research Department. In Michelson Laboratory, Joseph H. Johnson, physical science aide, works with the mass spectrometer regularly. Some four others at China Lake are now able to use the instrument, including Dr. Wayne units, an existing vacuum Carpenter of the Organic Chemistry Branch, now working with it on a project.

The new mass spectrometer sic sections. The inlet system provides for introduction of is used up in the analysis pro- each isotope of the element cess.

it's magnetic field is varied, cused on a collector plate.

The electronic circuitry control and recording functions. have been able to make a sat-Recording is done by a photographic process on wide, lightsensitive chart paper, or onto an oscilloscope. So precise is the recording system that the "mass defect," or difference from nominal molecular weight, of any ion can be determined, thus exactly identifying the ion.

In addition to the three main pump unit is used to serve the new instrument's inlet system.

"It is true to say," according to Dr. Gordon, "that if tosystem is made up of three ba- day we were to find a new element, its atomic weight could be measured more accurately very small sample amounts, of with this instrument than in which only a negligible amount any other way. In addition, would be clearly seen as well The analyzer unit features as its relative distribution. We a 220 - volt, 50 - ampere pole have also made an adaption to magnet which separates ions the mass spectrometer to imradiating from the sample prove its analytical capability

An example of the new cap while an electrostatic field is ability the mass spectrometer kept constant. This feature en- gives China Lake researchers, ables the various mass frag- Dr. Gordon reports, is an anment ions to be successively fo- alysis done recently of a flourine - hydrogen compound.

"The previous mass spectrosole provides excitation, con- meter," he says, "would not isfactory analysis because of the high molecular weight of the compound."

> He emphasizes the saving in time and great increase of reliability as important new advantages provided by the mass spectrometer.

"An additional capability we now have," Dr. Gordon points out, "is that we are able to analvze the structure of metastable ions. These are ions that tend to break apart, and we are now able to catch this process while it is occurring."

The Research Department is very pleased with the usefulness of the new mass spectrometer and the possibilities it opens up.

"This instrument is a very valuable addition to Michelson Laboratory's equipment," comments Dr. Carpenter. "It gives us quite an extended range in chemical and structural analy-

Machinist Wears Glasses, Saves Eye

enced machinist. He knows his glass. business. Give him a piece of want and he turns out the fin-20 years and is well aware of the eve hazards of his trade. He is interested in safety too and has taught first aid at the Naval Weapons Center for about 12 years. He is a firm believer in eye protection 76. Registration for the current when the job requires safetyfirst precaution.

Recently the NWC Safety Department ordered a replacement lens for Suladie. He also joined a new club. There was no need of buying him an artificial eye. His old eye is just as good as it has always been to sight along an edge and check a micrometer. He can see his wife and family and especially enjoys seeing his 13 grandchildren.

He was wearing safety glasses when a chip from a metal cap he was working on scored a bull's eye on the right lens of his glasses striking with sufficient velocity to leave a

Suladie is now eligible for This club takes only members wise have taken their sight

Aid Civil Defense

(Continued from Page 1) is to complete Police Science class beginning Wednesday, January 31, is now being conducted by the Desert Division, Bakersfield College.

Vital first aid skills are also available through comprehensive courses taught by China Lake Red Cross people and at the Desert Division

Reefers Installed

New 12 - cubic - foot refrigerators are being installed in three - bedroom Old Normacs and three and fourbedroom Hawthornes. A spokesman for the Housing Office said tenants will be notified in advance.

China Lake Navy Flying Club Sets Wednesday Meets

The China Lake Navy Flying Club has set aside 8 p.m. Wednesday nights for their weekly ries of lectures by Floy Kinder on Instrument Flight Procedures. The initial meeting began January 24 in the Community Center.

The lectures are supplemented by films and guest lecturers. Purpose of the series is to acquaint pilots and students with some of the procedures of instrument flight. Discussions on air traffic control and instrument landing service are a part of the agenda.

According to club officials, if sufficient interest is shown, the Federal Aviation Administration's class at Palmdale will be considered as a future field trip for class members.

All persons interested in flying, either as a student or a pilot who might be caught "on top" sometime, who desire to know more about the requirements for an instrument ticket are invited to attend these weekly meetings.



DEAD CENTER — An unexpected surprise astounded machinist Earl Suladie (Code 5545) recently when at work. A steel missile the size of a sliver propelled itself into the right eye glass directly in front of Suladie's eyes. Always safety conscious on the job, Suladie had the fore-thought to wear his safety glasses thus preventing a possible loss of an eye. He is also now eligible for membership in the exclusive Wise Owl Club at the Center.

into separate streams. The un- with gases."

Earl Suladie is an experi- small, deep crater in the eyemetal and tell him what you the exclusive Wise Owl Club.

ished piece. He has been turn- who have been safety - minded ing out finely machined prod- enough to wear eye protection ucts for Code 5545 for almost when the accident might otherPage Four

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Firepower Show Demonstrates Weapons Effectiveness



INITIAL NAPALM DROP BY F4 PHANTOM ATTACK AIRCRAFT.



AN F4 FLYS-BY IN SERIES OF LANDING CONFIGURATIONS SHOWING LANDING HOOK.



Shows Air Punch At Charlie Range

Perfect timing and the complete success of each of 15 aircraft passes marked the combined NAF - VX-5 firepower demonstration viewed by over 600 people Thursday morning last week.

The remarkable coordination of the event was engineered by Cdr. Bryson Van Gundy, NAF Operations Officer, and USAF Major James O'Brien, VX-5 Operations Officer. Demonstrations of weapons and techniques, some of them constituting parts of regular evaluation programs, ranged from shallow dive and loft bombing, to refueling, to a perfect hit on a flare target by a Sidewinder missile.

Groundlings filled three sets of bleacher stands for the 45minute demonstration, and were watching from surrounding areas and nearby camera towers. They included over 150 outside guests of the Center and numbers of NAF and VX-5 wives.



RESCUE DEMONSTRATED BY MARINE CORPS H-34 SEAHORSE HELICOPTER.

Display of High Speed Multiple Rocket Firing -- Napalm Initial Impact From F4 Phantoms



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PHI GARY BIRD PH1 GERALD BURGESS

NAPALM SMOKE CLOUDS FORMING IN FRONT OF ASKANIA CAMERA



AN A4 WITH EXTERNAL "BUDDY-STORE" REFUEL SYSTEM REFUELS F8 CRUSADER.