

CHAPLAIN'S MESSAGE

Right Or Wrong



CHAPLAIN RALPH H. MOE

Moral decisions of "right or wrong" are not always easily made. That's why my Sunday sermon will be on the theme, "The New Morality of Jesus!"

It is quite strange, really, that Christ's ethics for decision making are so little in evidence in our culture and society. It's easy for us to consider competing athletic teams and politicians hotly contesting for offices; but relatively few realize that the battle progressing in the ethical field will profoundly influence the future of every one of us. And fewer yet care.

The competition between "Conventional Morality" and the "New Morality" (in Christian circles) has generated more "heat" than "light." Some have gone so far as to demonstrate their total lack of appreciation for the issues involved as to piously chirp, "What we need is not a new morality but more morality!"

What traditionally "parades" under the banner of Conventional morality usually combines an understanding of what the Bible teaches with the mores of society. Prominently included in this code are the Ten Commandments and the Sermon on the Mount. The laws therein are accepted as God's absolute rules for man to live by, without regard to circumstances. Though interpretations may vary somewhat, the basic idea is to determine precisely what the rule is, obey it, and let the "chips" fall where they may!

"Love" is the key word in the so-called New Morality. It is regarded by most as the only absolute. When faced with a decision, therefore, the question to ask is this: "What is the most loving thing that can be done — with all factors taken into proper consideration?" When acted upon superficially, without deeply Christian concern, the results are quite unacceptable to Christians of Maturity.

As over against traditionalists, they agree on this: It is precisely where the "chips" will fall that makes all the difference. Therefore, laws may be broken from time to time.

Is the New Morality shocking to you? I'm sure it is to most Christians. For, although Jesus was frequently found to be disobeying the law, actually going against the precepts of duly constituted authorities that he is quoted as both recognizing and recommending to his disciples, very little relevance to this fact is evident in Christian ethics down through the ages.

I think it's worth considering — especially for Christians and others interested in matters of right or wrong! That's why I intend to preach on this theme next Sunday morning at the All Faith Chapel.

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.

The vacancies listed below are effective from the 6 to the 13th June 1969.

Supply Clerk (Typing), GS-2005-04, Code 258 — Processes receipts, issues, and stock requisition in coordination with supply data processing programs; and maintains liaison for follow-up, status, and expediting with NWC departments, NAF and VX-5.

Flame Center (Scrap), WB-37002-04, Code 2597 — Receipts, segregates and reduces scrap to manageable size. Identifies types of metal, stores and lots scrap for sale. Estimates amounts of scrap by weights.

Supervisory General Supply Officer, GS-2001-13 Code 251 — This position is that of Head, Planning Division, Supply Department. This is a staff position reporting to the Director of Supply and includes responsibility for policy and procedural surveillance of all general supply and procurement effort at the Naval Weapons Center, China Lake and Corona.

Supply Systems Analyst, GS-2003-12, Code 251 — This position is that of Associate Head, Planning Division, Supply Department. The function of the Planning Division is to provide management planning service in a staff capacity to the Director of Supply; receives, analyzes and recommends action of non-routine information and directives from higher authority and provides planning assistance to all divisions. Assists the division head in carrying out the duties and responsibilities of the Division, and as Head, Procedures Analysis Branch in the conduct of studies, investigations and recommendations required by the Supply Department.

File applications for the above with Carole Cagle, Bldg. 34, Rm. 26, X-71648. Refrigeration and Air Conditioning Mechanic, JD No. 212, Code 70433 — Installs, maintains and repairs refrigerating and air conditioning equipment and components used in providing refrigeration and air conditioning for living quarters, officers, and industrial uses. Qualifications: J-Element Standards.

Plumber, JD No. 209, Code 70421 — Lays out, cuts, bends, assembles, and installs pipe, fittings, and fixtures to construct or maintain piping systems such as fresh water, hot water, salt water, sanitary drain, sewer pipe, fire-protection sprinkler, and fuel gas systems. Locates leaks and obstructions, and repairs or clears them. Qualifications: J-Element Standards.

Carpenter, JD No. 177 Code 70411 — Incumbent builds, repairs, and makes alterations to wood structures of buildings. Constructs, repairs, and installs various wooden articles and items of equipment. Qualifications: J-Element Standards.

Electrician, JD No. 180, Code 70431 — Constructs, installs, maintains, and repairs various electrical wiring systems, electrical controls, electrically operated equipment, or instruments, and light and heavy electrical machinery. Qualifications: J-Element Standards.

Clerk-Typist, GS-322-04, PH No. 870009, Code 7040, (Part-Time) 36 hours per week. Incumbent types masters for all forms used in this section. Also types work requests and job order status reports for all jobs requested of Public Works by each Department on the Center. Maintains the files on all job writeups that are received in the section. Incumbent is responsible for the maintenance and control of all work request records.

Helper (Various Option) WB-5, Code 70 — The Public Works Department has current or anticipated future Helper vacancies in the following trades: Electrician; Painter; Rigger; Sewage Disposal Plant Operator; Sheetmetal Worker; Structural Iron Worker; Heavy Duty Equipment Mechanic; Automotive Mechanic; Woodworker; Refrigeration and Air Conditioning Mechanic; General; Plumber; Pipefitter and Insulator; Plasterer; Tile and Plate Setter; Heating Equipment Mechanic; and Machinist.

All interested non-temporary employees are invited to apply. Employees who applied for the Helper vacancies advertised in February 1969 must apply again. A Helper examination will be scheduled for employees who have not taken the examination and for employees who have taken the examination previously but did not attain a passing score. Non-competitive selection for Helper vacancies will be made from the list of eligible applicants resulting from this ad through August 22, 1969.

Equipment Specialist GS-5 or GS-6 — This position is located in the Echo Range Operations Branch, Countermeasures Division, Systems Development Department. Place of employment is Randsburg Wash Test Range. Incumbent will be required to establish and maintain an organized spare parts system, working closely with Electronic Technicians in ascertaining spare parts levels for electronic and mechanical equipment at Echo Range. He will be responsible for initiating material requests and maintaining inven-

Reardon Memorial Wreath



PRESENTS WREATH—Capt. L. A. Dewing, Commanding Officer, NAF, places a wreath by the Dedication Plaque at Reardon Field in the second annual Memorial Service in honor of Cmdr. W. L. Reardon, Executive Officer of NAF, who lost his life in an airplane crash, March, 1967. A wreath is sent yearly by Betty Reardon, widow of Cmdr. Reardon, who now lives in San Diego.

CHP Gives Safety Program

Officer Phillip Downs, of the California Highway Patrol brought his Patrol Car onto the Groves Street School grounds Monday, June 2, to present a program called "Stop On a Dime."

Richard Halen, principal of the school, had heard of the program, and together with Officer Downs, they showed the children of Groves School how far it takes to stop a patrol car, a bicycle, and a pedestrian.

With the help of three children, Pam Muckle, stop sign girl; Ernest Shepherd, Reaction Time boy; and Pam Drake, Danger Sign girl, he proceeded to check stopping distances.

Lynn Tegowski, giving a demonstration of how fast she could walk, went an additional 2½ feet after a horn sounded before she could stop.

Then Becky Feagle was told to run and to stop when the horn blew. Becky went 28 feet after the horn sounded. Officer

Downs mentioned that most of the streets are about 20 to 40 feet wide, and that Becky might be out in the middle of the street if she ran without looking to see what was coming.

The next demonstration involved Brian Carle and his bicycle. He was instructed to go as fast as he could until the horn sounded. It took Brian 5 feet to hit the brake and an additional 21½ feet to stop, total of 26½ feet.

Teacher Drives As the last demonstration of the day, Officer Downs, with Mrs. Diana Adams, a teacher at Groves School, drove the Highway Patrol car up to the speed limit, 20 mph, and at the signal tried to stop the car as fast as he could. It took Officer Downs 13 feet to get his foot on the brake and 71 feet to stop. The children were impressed with the long distances involved in stopping a moving automobile



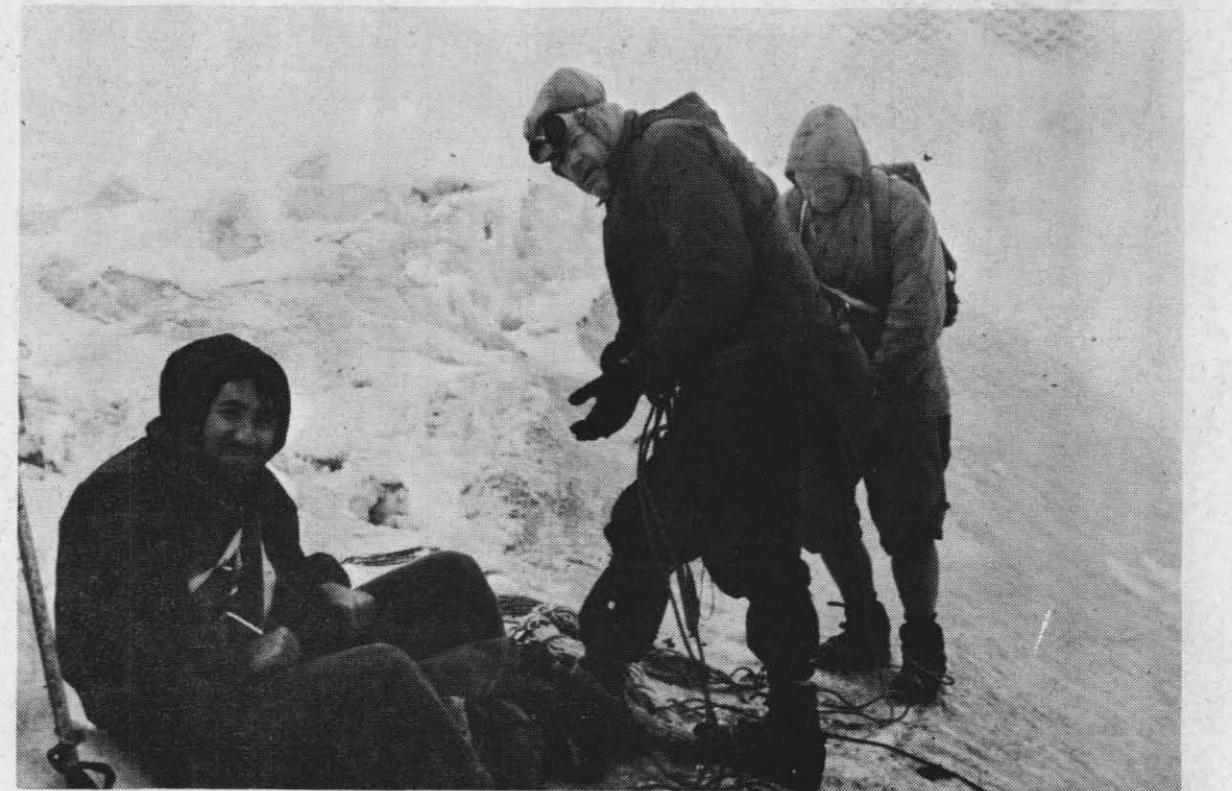
THE WINNING TICKET—At a special drawing held last week of tickets that have already been sold, an additional 100 tickets were won by Pat VanSlike, who works in Code 1761. The tickets will enhance her chances considerably to win the 1969 Camaro to be given away by the Navy Relief at the end of their current fund drive. Phyllis McGuire, a clerk-steno in Code 1781, hands Mrs. VanSlike's ticket to SN Scott K. Blevins. LCdr. C. M. Bates, coordinator of the Fund Drive, looks on. The Camaro will be given away to a lucky ticket holder June 28 at Bennington Plaza.

(Continued on Page 8)

Rescue Group Members Try Ecuador Peak



BUSMAN'S HOLIDAY—China Lake Mountain Rescue Group are shown in assaults they made on three different mountains in Ecuador in March of this year. In the photo above, right, Charles Ringrose, Russell Huse of China Lake, and Eric Hoffman, of Riverside, are shown at the 17,000 ft. level on El Altar. Dr. Carl Heller also of China Lake, was also along on the expedition. At right, a member of the expedition is shown at the high camp, 19,000 ft., on Chimborazo volcano. Above, climbers are approaching an ice wall on Cotapaxi at the 18,000 ft. level. The China Lake Mountain Rescue Group will present a slide show of the expedition on Tuesday, June 10, at 7 p.m., at Richmond School. The two-hour program is entitled "The Mountians and People of Ecuador." Admission will be \$1, and all proceeds will go toward the purchase of Group Rescue and Communication Equipment. The slide show will be repeated on June 25.



Regelson Transfers To NASC

(Continued from Page 4)

of information between government agencies and aircraft manufacturers.

He organized and administered the 7th Symposium on Infrared Countermeasures held at General Dynamics in San Diego last December.

Transferred to Code 30

In April of 1965, Regelson and his group were transferred from AOD to the Systems Development Department. While with the Systems Development Department, Regelson initiated and managed R & D programs aimed at decreasing the vulnerability of military aircraft, ships, and surface vehicles to detection and attack by infrared operated ordnance.

In addition, he supervised the development of new types of instruments and techniques required to evaluate passive and active infrared countermeasures systems, devices, and methods. He also developed improved data recording processing and reporting methods.

In a reorganization in March of this year, Regelson was named Consultant to the Systems Development Department while Howard Sumnicht was named Acting Head of the In-

frared Countermeasures Branch.

Regelson has published over 50 papers relating to his field and has made over 100 technical presentations, including many at the Department of Defense level, the Navy Science Symposium, the Infrared Information Symposia, and to airframe and aircraft manufacturers.

Born in Cleveland, Ohio, Regelson attended New York's City College and received his B.A. degree from UCLA. He served as staff sergeant with the Army Air Force from 1942 to 1945.

Retired Servants Hold Outing

Local Chapter No. 748, National Association of Retired Civil Employees, will have a potluck picnic at Kernville Park by the River Kern, Sunday, June 8. All eligible members and their guests are invited.

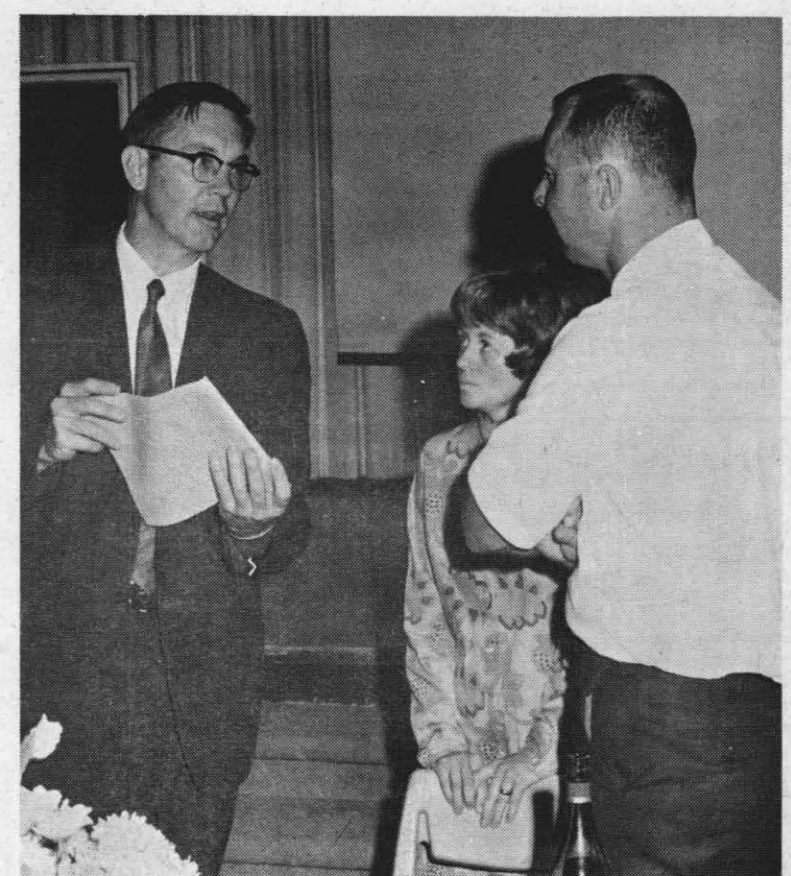
Any employees presently eligible for optional retirement may join the Chapter as a National and Chapter member. Those who attend are asked to bring their own table service.

Business Women Cited for Press Book at Meet

The China Lake Business and Professional Women's Club (BPW) was one of three clubs in the California Federation of BPWC who were cited for their participation in the press book competition, according to June Brown, Public Relations Chairman, who presented the book and certificate to Marjorie Reed, the 1968-69 president, at the May 27 meeting held at the Station Restaurant.

Judging was based on the number of column inches of news print. The winning book contained over 2,500 inches, nearly 600 more than the 910 inches of the local book.

To Convention Irene Branham, former president, and June Brown represented the local BPW club at the 49th Annual Convention of the California Federation held May 16-18 at the Century Plaza Hotel in Los Angeles. Other members attending were Alice Lafleur, alternate; Clara Bower, and Wardna Abernathy. Delegates will report to the Club at the June 10 meeting, which will be held at 11:30 a.m. at the Station Restaurant.



ERNEST LAMSON and his wife, Nancy, r, listen attentively as Dr. James E. McDonald, Senior Physicist of the Institute of Atmospheric Physics, and Professor, Department of Meteorology, University of Arizona, make a point at a meeting held May 27 at the Community Center. Dr. McDonald, a recognized authority on UFO's spoke to members of the Research Society of America, China Lake Branch, at the 1969 Spring Meeting. His subject for the evening was "UFO's and the Condon Report."

The Rocketeer

Official Weekly Publication U. S. Naval Weapons Center China Lake, California Capt. M. R. Etheridge, USN NWC Commander "J." Bibby Public Affairs Officer Joan Reber Associate Public Affairs Officer (Acting) Director of News Bureau William P. Valentein, Jr. Editor Jack C. Lindsey Staff Writer Lucille Edwards Editorial Assistant PH1 Gary D. Bird, PH2 Delmar E. Hart, PH2 Michael F. Krause, AN Maurice Dias, Staff Photographers



DIVINE SERVICES

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.

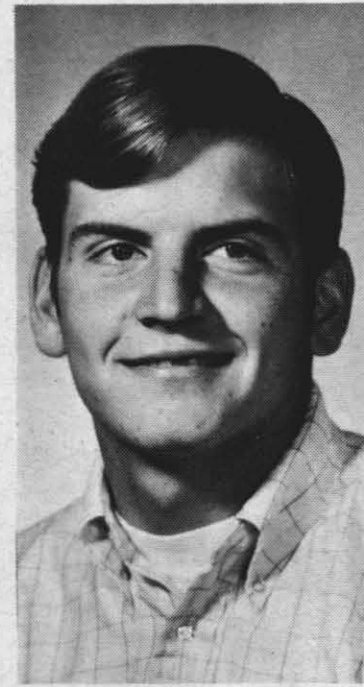
Daily Mass—11:30 a.m. in Blessed Sacrament Chapel, Saturday, 8:30 a.m. Confessions—7 to 8 p.m. Saturday.

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, 95 King Ave.)—Sundays, 7:30 p.m.

DEADLINES: News Stories Tuesday, 4:30 p.m. Photographs 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. Phones 71354, 71655, 72082



PAT McDONALD

Fred Hagist, 67, Is C.L. Tennis Singles Champion

The China Lake Tennis Club Spring Tourney finals were held at the Station Courts Saturday, May 31 with Fred Hagist, 67 years old, winning the big prize—the men's singles first place trophy.

Rita Wack defeated Sherry Miller for the women's singles crown, 8-6, 6-2 and then teamed up with Charlotte Blum of Trona to win first in women's doubles, beating Janie Cleaves and Sherry Miller 6-4, 7-5.

In the men's doubles category, Jim Smith and Dave Keranen breezed through all their matches to win first place. In the finals, Smith and Keranen defeated Bob Campbell and Eric Haseltine, 6-2, 6-2.

Fred Hagist and Joan Leipnik, a father and daughter combination, outplayed Jim Smith and Rita Wack in the final round to win 4-6, 6-3, 6-4.

Dick Mello presided over the presentations, also giving the Bustards a huge scrapbook of funny clippings and captions. Club members signed the book and bade farewell to the Bustards, who have left on orders to Spain.

The trophies were awarded at a steak dinner at the golf club house Saturday night, May 31, following the tourney. Cmdr. "Buck" Bustard and his wife Jean, a past president of the club, were given a beautiful silver punch bowl and tray set by the tennis group. Engraved on the tray was a tribute to the Bustards for their "outstanding contribution to tennis" at NWC.

Blue Cross/Blue Shield Agent To Visit Here Wed.

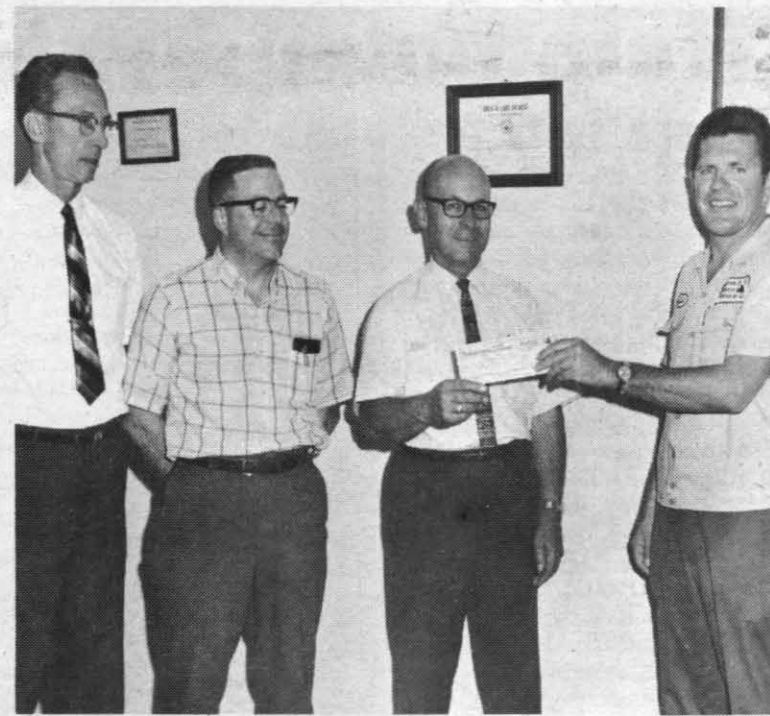
The Blue Cross/Blue Shield Insurance representative, Norman R. Smith, will be at the Community Center next Wednesday, June 11, from 9 a.m. to 4 p.m., according to T. J. Haycock, Head, Employee Management Relations.

Advertisement for U.S. Savings Bonds and New Freedom Shares with an American flag graphic.



WINNERS OF THE annual Tennis Club Spring Tourney pose with their trophies in the Pro Shop at the Golf Course following the tournament.

Dave Keranu, men's doubles. In the front row are Rita Wack, winner of the women's singles and with Charlotte Blum winners of the women's doubles; Buck Bustard, coordinator of the event; Sherry Miller, 2nd women's singles, and Roy Miller, member of the Executive Board.



SPONSORS INDIANS—Bill Lutes, (r), of the Western Terminator Corporation, is shown presenting a check for \$200 to George Wright, (2nd from right).

Ace TV; Galloway Tops In Softball Play Last Week

Bert Galloway, pitcher for the Ace-TV softball team in the Intramural Softball League, has stretched his scoreless innings pitched string to 28. Close behind him is Bert Andreason, who does the hurling chores for Ridgecrest Shell, with 21 scoreless innings.

In action that took place Tuesday, May 27, NAF whipped El Rancho 9 to 6 on Gary Arnold's home run in the fifth inning. Arnold went two for three and batted in four runs.

In the 8 p.m. game Ace TV beat VW-5 7 to 0 with Bert Galloway flinging a perfect game going into the fifth inning when Jack Numes broke it up with a single. Numes' hit was the only one of the game against Galloway.

Wednesday evening saw Galloway again shutting out Magic Cleaners 1 to 0 in a close game at 6 p.m. Galloway won his own game driving in a run in the seventh inning.

At the late game Wednesday Drex Moulder started off in a rush hitting an inside the park home run. Al Hyles hit his third home run of the year and in the fifth inning Jim Ayers hit a grand slam home run, as Ridgecrest Shell pounded out another 21-0 win, this time over hapless NAF.

Ridgecrest Shell is far and above the big team in the league with the bat, having five of the top ten leading batters. They also lead the league in home runs and RBIs.

Following are the standings and the top ten:

Standings table with columns: Team, Won, Lost, GB, Pct.

TOP TEN BATTERS

Top ten batters table with columns: Rank, Name, Team, AB, H, RBI, HR, Pct.

Pony/Colt Annual Pancake Benefit To Be Held Sat.

The second annual Pony/Colt League pancake breakfast will be held this Saturday, from 7 to 11 a.m., in front of the Shopping Bag Markets. The event, which is sponsored by the Shopping Bag Markets, with all proceeds going to the Pony/Colt league program, is the principal fund raising event for the league.

More than 170 boys now playing in the teen-age Indian Wells Valley activity, will benefit from the annual affair. The leagues expenses total some \$4,000 per season, an average of \$24 per boy.

Tickets, at 75 cents, are being sold by all players and league officials. Boys selling at least 20 tickets will qualify for a free trip to a major league game in Los Angeles which is scheduled shortly after the close of the regular season play in July.

George Wright, Pony/Colt League treasurer, will soon be mailing detailed itemization of expenses and sources of revenue to all parents of players.

Colts Dominate League Play; "A" Div. Tigers Finally Win

The Colts, under manager Harold Stalnaker, continue to dominate the Colt League as the senior circuit reached the half-way mark. The Colts remain undefeated, having won four games and lead the second place Dodgers by two games.

The Colts slammed out 12 hits to whip the Angels 9 to 3 in last week's action. Steve Robinson scattered nine Angel hits to pick up his second win and Bobby Nelligan got two hits and three RBIs to lead the Colt attack.

In one of the most closely contested games of the holiday-shortened week, the "A" Division Tigers got into the Win column as they edged the Yankees 5 to 4 with the help of a home run by Steve Hammon. Charles Cordell of the Yankees hit his first homer of the year in a losing effort.

Youth Activities

Parents of children aged 8 through 19 who wish to enroll in the Youth Activities summer recreation program are reminded that registration has now begun.

The Youth activities Center, under the direction of Marty Denkin, will hold classes in Girls' Softball; Bowling; Tennis; Golf; Crafts; and Girls' Volleyball.

In addition, weekend activities consisting of the High Timers' Club, (8 years through 6th grade); Juniors, (7th and 8th graders), and Seniors, (high school and college), will be held.

Other activities planned are dances, bingo, splash parties, field trips, and varied social and sports activities.

Bob Bechtel Named Recipient Of Southern California Edison Award

Awards and scholarships representing over \$12,000 were presented to outstanding seniors at the annual Burroughs High School Senior Awards Assembly held on Tuesday, June 3, in the high school gymnasium. The names of the Awards and their recipients are listed below.

Kermit Richards and Delores Wright received the Attendance Office Awards for perfect attendance during all four years of high school. Mary Farmer was presented with the Indian Wells Valley Nurses Club Scholarship; Pat Getusky with the D. B. Howe Memorial English Award.

The Kern County Panhellenic Award was presented to Elizabeth Ward; the Bausch-Lomb Science Award to Charles Goff; and Rotary's Triangle Sports Scholarship to Jim Bergens.

Robert Bechtel was the recipient of a Southern California Edison Scholarship which includes \$1,500 a year for four years of college, and \$3,000 worth of Southern California Edison stock.

The Henry Dubin Chemistry Award was presented to Richard Weiss, while the Burroughs Tennis Award was given to Rossella Ferrari, Burroughs American Field Service exchange student.

John Pearson received the American Legion Speech Award, and Beth Young, Rotary's Outstanding Business Award. Elizabeth Ward, John Pearson, and Bob Bechtel were listed as Governor's Scholars.

It was announced that Elizabeth Ward had received Honors at Entrance to the University of Redlands, and Mary Schaniel to Mount St. Mary's College.

Elizabeth Ward also received a \$100 bond as recipient of the Elks Club Most Valuable Student Award. In addition, Molly McCammon and Andy Carlson received bonds as first place winners in the Elks Leadership Contest.

Lee Huff was presented with the Heart Association Science Award, as well as the American Institute of Chemical Engineers Award.

Molly McCammon received the Business and Professional Women's Club Scholarship, and John Franich, the Machinists Union Auxiliary Scholarship.

Elizabeth Ward and Molly McCammon were the recipients of the American Association of University Women Scholarships, and Alice Burch, the Girls Service League Scholarship.

Summer Work Requirements Change

(Continued from Page 1)

Table for Summer Work Requirements Change with columns: Family Size, Category II Income, Non-Farm Income, Farm Income.

All youths who qualify in Category I must be placed before those who qualify for Category II.



FEDERAL AND NWC PINS—Many years of government service were recently honored when Federal and NWC service pins were awarded to 13 NWC employees. Shown above with their pins are, front row, l-r: Dean Couch, 20 yr. Federal and NWC pins; Edith Kirk, 20 yr. Federal and NWC; Don Shelhart, 20 yr. Federal; and Lewis Rad-

cliff, 20 yr. NWC. Second row, l-r: Walter LaDassor, 20 yr. NWC; Cecil Glass, 20 yr. NWC; and Terry Driver, 20 yr. NWC. Third row, l-r: P.S. Wiggins, 20 yr. Federal; Howard Leonard, 30 yr. Federal; Thomas Crookshanks, 20 yr. Federal; and Stanley Johnson, 20 yr. NWC. Fourth row, l-r: Herschel Hicks, 20 yr. NWC; and Pleasant Auld.



PINS AWARDED—Federal and NWC pins were recently handed out by Ray W. Van Aken, Head of the Aeromechanics Division, at ceremonies at Michelson Lab. Pictured above are left to right, front row: Pasqual Mercado, 20 yr. NWC pin; Warren K. Smith,

20 yr. Federal and NWC pins; Albert E. Brown, 20 yr. Federal and NWC. In the back row are, left to right: Lloyd E. Schilberg, 20 yr. NWC; C. Frank Mackarain, 5 yr. NWC; Renard E. Smith, 5 yr. NWC; Dick Compton, 5 yr. NWC.

CSC Lists New Hazard Premiums

The Civil Service Commission has released four new conditions of work environment which entitle the employee to additional pay. The additional pay will be 25 per cent of base pay added to each hour of the shift, including overtime hours.

The new conditions are: Flight Tests of Expendable Aircraft Tires—Landing to test aircraft tires designed to deflate upon retraction, undertaken to appraise the normal deflate-reinflate cycle and also

to evaluate the capability to make a satisfactory landing with the tires deflated. Landing and Taking-Off in Polar Areas—Landing in polar areas on unprepared snow or ice surfaces and/or taking-off under the same conditions.

Experimental Parachute Jumps—Participating as a jumper in field exercises to test and evaluate new types of jumping techniques. Ground Work Beneath Hovering Helicopter—Participating

in ground operations to attach external load to helicopter hovering just overhead. The effective date for paying additional pay for work under the above conditions was the first pay period beginning after April 9, 1969, according to the Civil Service Commission. Employees with questions concerning the conditions are asked to call Bill Blinkhorn, Head, Wage and Classification Division, at extension 72296.

Patents And Notices Of Allowability Awarded To 26



PATENT PRESENTATIONS — Capt. R. L. Williamson, II, NWC Executive Officer, conducted a Patent Award Ceremony at the Community Center Tuesday morning, May 27.

Twenty-six NWC employees were presented with patents or notices of allowability in recognition of their accomplishments in various fields.

Employees Get Cash Awards

Capt. R. Williamson II, NWC Executive Officer, presented patents or Notices of Allowability to 26 Naval Weapons Center employees for 14 inventions at a ceremony held May 27 at the Community Center. \$1300 in cash awards were also presented at the event.

The recipients, and their awards were:

John Pearson, Code 60, received a patent for an improvement in the process of explosive welding; Drs. Harold and Jean Bennett, and Edmond Ashley, Code 60, a patent for a method for measuring thin film thickness of metal; Otho Hart, Code 55, received a patent for a self-destruct fuse and Ronald Vetter, Code 45, received a patent for a smoke-producing propellant.

Dr. Martin Kaufman and John D. Braun, Code 45, received a patent for a process for preparing fluorocarbon monomers; and Kenneth Thorsted, Louis Renner and Joseph Schmidt, a patent for a propellant spin evaluation apparatus. Clinton Spindler, Code 45, received a patent for a standing detonation wave rocket engine; and Robert Dow, Code 45 and Dr. George Rice (now terminated) received a patent for a process for desensitizing metallic powders.

Awarded a patent for a sequencing switch were Robert Swallow, Code 40, and Jerry Miller, (now terminated).

Receiving Notices of Allowability were: James Blair and Richard I. Jackson, both of Code 40, for a device for the aerial dispersal of chemicals; Jack Myers, Code 40, for a bomblet; Sydney Sheffer and Steven Little of Code 35, along with James Mills (now terminated) and Lee Humiston, now of NUWC, for a non-beaming flashlight.

Also receiving a Notice of Allowability was Joseph Mosko Code 40, for a spiral antenna, and Ephraim Regelson and John Creelius, of Code 30, for an exhaust-cooling system.

Assessments Due GEBAs Members Prompts Mason

Members of the Government Employee's Benefit Association (GEBAs) and the China Lake Mutual Aid Society (CLMAS) are notified that Assessments No. 178-106 and 179-107 are now due.

The assessments are for the death of Allen Gillespie (retired), formerly of Code 3025, and George Miller (retired), formerly of Code 70412.

Payments may be made to the various collectors on the Center or by mailing \$2.40 to Lawrence R. Mason, 208 Bonita St., Ridgecrest, California, 93555.

Advance payments of \$12 are acceptable to save on check costs and postage. Prompt payments are encouraged by all members.



WILLIAM J. STRONGE, JR.

William J. Stronge, Jr., Code 603, was awarded a Ph.D. degree in Applied Mechanics by Stanford University in March 10, 1969.

He joined the Research Department as a Junior Professional in June of 1960 following graduation from Oregon State College where he received a Bachelor of Science degree in Mechanical Engineering.

Stronge continued his studies here at China Lake through the UCLA Graduate Program and completed the requirements for a Master's degree in Engineering in 1964.

Stronge's studies at Stanford were conducted under an NWC Fellowship awarded in 1965. His Ph.D. research concerned "Stress Waves Caused by a Load Accelerating Through a Critical Speed" and was conducted under the guidance of Professor J. N. Goodier.

This study concerns forces which move on the surface of structural elements. Transient solutions demonstrate that if the load moves with a characteristic speed of the medium, which has been termed a critical speed, the response is resonant.

The results of this study have contributed to an understanding of the significance of critical speeds.

Stronge, his wife Muriel and two children, a daughter "Leslie" and a son "Brent," reside at 316 Bogue Circle, China Lake.

A good habit to get into.



Buy U.S. Savings Bonds & Freedom Shares

New UHF Telemetry System Test Success

Flexible System Passes Tests

(Continued from Page 1)

design is that it is capable of utilizing commercial "off the shelf" components or components that have been developed by the Navy such as transmitters and high-rate PAM commutators.

The new UHF telemetry system incorporates a UHF transmitter, high rate PAM commutator, thermal battery, signal conditioner, wrap-around band UHF antenna and instruments to measure missile performance.

The system is designed to take full advantage of the high reliability and compact size of the latest integrated circuits and microelectronic techniques.

The high rate PAM modulation format gives the new system greater data channel flexibility and information rate than the VHF system currently in use.

The high - rate, 64-channel, non-return to zero, PAM commutator switches from channel to channel at a rate of 100,000 per second.

Because of its compact size and flexibility, the new system with minor modifications may be adapted to many other missiles.

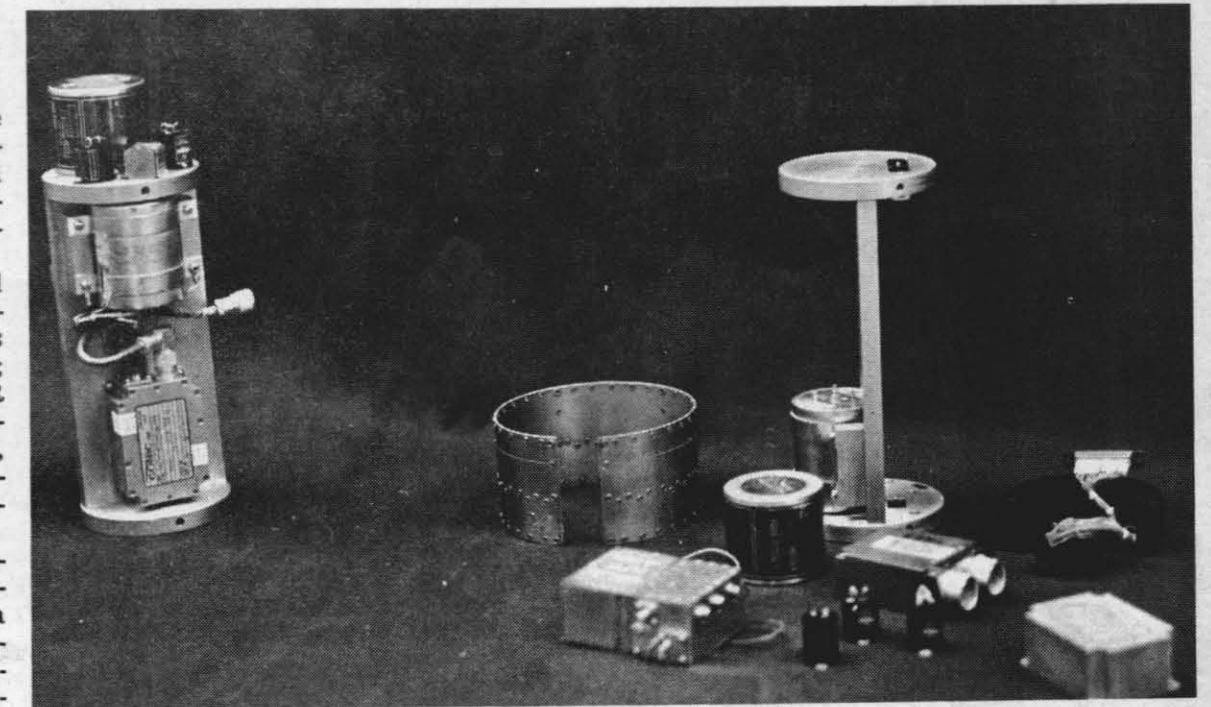
Another advantage of this

design is that it is capable of utilizing commercial "off the shelf" components or components that have been developed by the Navy such as transmitters and high-rate PAM commutators.

The new system may be used to telemeter flight characteristics aboard any of the missiles in the SIDEWINDER family; for example, SIDEWINDER AIM-9B, AIM-9C (SARAH) AIM-9D, Air Force AIM-9E, FOCUS, CHAPARRAL MIM-72A and solid state versions of both SIDEWINDER and CHAPARRAL.

The Engineering Department's Telemetry Branch, under the direction of F. L. La Pierre, has the facilities, equipment and specially trained telemetry technicians and engineers to design, develop and implement telemetry and instrumentation systems for ground and air-launched vehicles.

A special projectile telemetry system was recently designed and developed for the Edgewood Arsenal in Maryland and is presently being used to monitor projectile performance under a simulated projectile firing environment.



LOTS OF PIECES—Components and the frame around which they are mounted are shown above in the right side of the photograph. The completed package is left.



THE SAFE WAY—AQFAN Harold J. Rogers, left, and AQFAN John P. Ames, both of VX-5, show the safe way to ride their bikes while on the way to work. Whether riding to work, or out for a pleasure spin, these men wear helmets, gloves and eye protection.

Regelson Joins Fleet Support Group in East

By Budd Gott

Raim Regelson, who pioneered infrared countermeasures work at China Lake, ended an 18-year career with the Naval Weapons Center on Thursday, May 29.

Regelson has transferred to the Air Systems Command's Logistics and Fleet Support Group, Avionics Branch, at Bailey's Cross Roads, Va. He will head the Electronics Countermeasures and Weapons Control Section at that facility.

Began Career in 1951 Head of the Infrared Countermeasures Group of the Systems Development Department from April 1965 until February of this year, Regelson began his career with the department in 1951 as a GS-7 soon after graduating from UCLA.

At the time of his transfer, Regelson was serving as Consultant to the department. In 1953, Regelson transferred to the Aviation Ordnance Department where he became head of the Radiometry Branch which later became the Infrared Countermeasures Branch.

While with AOD, Regelson initiated research and development programs that resulted in the first practical infrared countermeasure devices for military aircraft and helicopters.

In addition, he conducted the first airborne infrared measurements at China Lake using an F3D and a B-52 as platform aircraft.

In 1961, Regelson organized and chaired the Infrared Countermeasures Specialty Group of the Infrared Information Symposia (IRIS). IRIS was formed for the exchange

(Continued on Page 7)



RAIM REGELSON

Motorcycle Classes Stress Safety

Motorcycle enthusiasts are invited to help themselves to the assistance and experience of expert riders in a motorcycle safety class which will be held Saturday, June 7, beginning at 9 a.m. at the Traffic Safety Building, Hussey and Kearsarge on the Center.

Training in Motorcycle riding will begin the following Saturday on the dry lake bed for those who attend the lecture course.

The course is sponsored by the Community Council and members of the local Sandblasters and Gypsy Wheels motorcycle clubs for those who are not sure of themselves or who would like help from an expert road rider or sand rider. All instructors will be provided by the two clubs.

Motorcycles have been made available to the class by the Ridgecrest Honda Shop and the B&B Cycle Shop for those without machine. Approved helmets will also be worn by class members. These are furnished by Buco Corporation and Daytona Products Co. Helmets must meet Z90.1 specifications, Snell Foundation, and AMA standards.

Minors must have a release form signed by both parents and adults must also sign a form.

The Safety department points out that inexperience on a motorcycle is the cause of more than 20 per cent of the deaths and injuries that occur on motorcycles throughout the

nation.

Further information is available by calling Billie Hise of the Safety Department, extension 72037, or Dick Cox of the Gypsy Wheels, 375-7221, or from Bill Faith of the Sandblasters, 375-7745.

Commander Prime Speaker At Luncheon

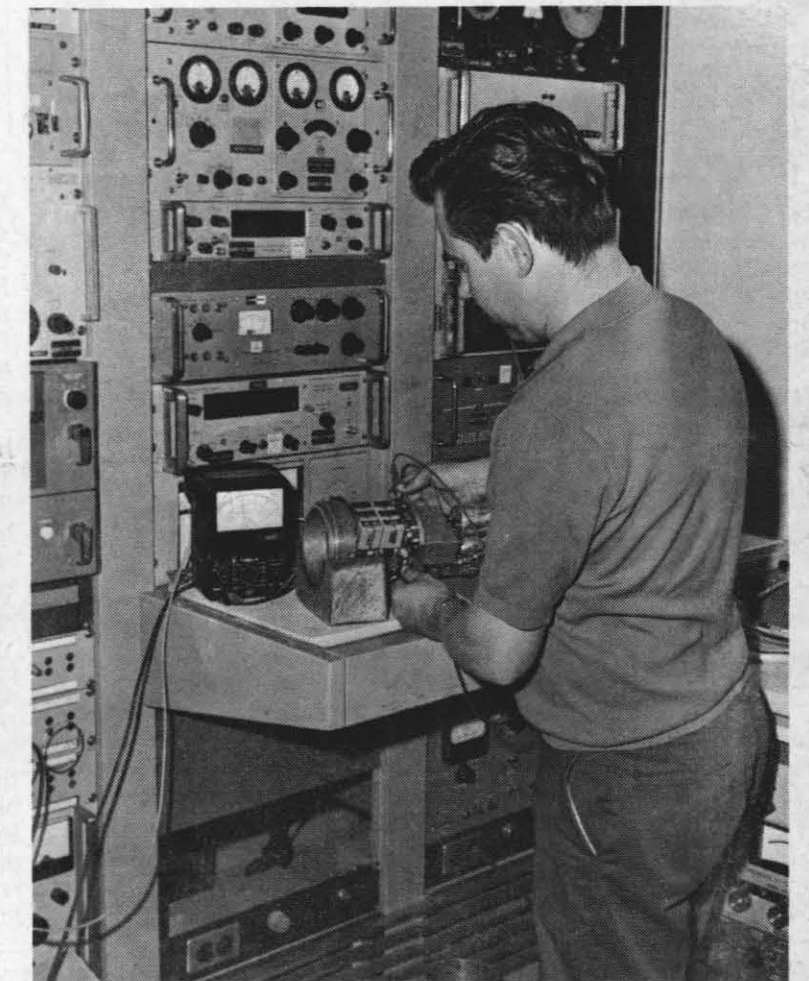
Capt. M. R. Etheridge, Commander of the Naval Weapons Center, will be the featured speaker at a luncheon meeting of the China Lake Chapter of the American Society for Public Administration, to be held Wednesday, June 11, at 11:30 a.m. at the Officers' Club.

Dr. Robert Rowntree, president of the local chapter, said Capt. Etheridge will speak on "The Need for Interagency Planning in the Indian Wells Valley — a Cooperative Program Involving the Naval Weapons Center, the City of Ridgecrest, and Kern County." This subject should prove of interest to all, and the public is cordially invited to attend.

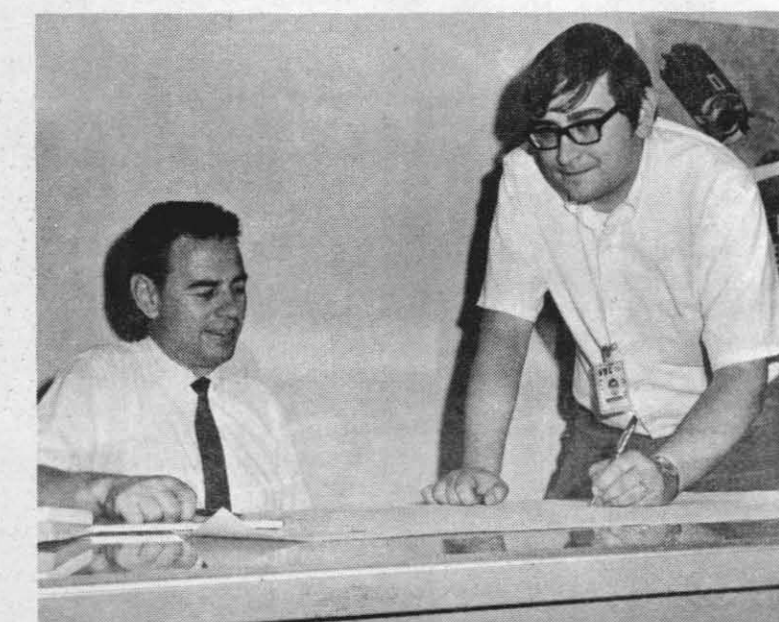
H. G. "Hack" Wilson, Deputy Technical Director of NWC, will present the R. W. Bjorklund Management Innovator of the Year Award, an annual award given in the memory of Russ Bjorklund, former Head of Staff, who died on an expedition searching for the son of a friend.



ANTENNA ADJUSTMENT—Carl Peters, Electronic technician, is shown adjusting an UHF telemetry receiving antenna on a new antenna platform located on the roof of Michelson Lab. The antenna is used to receive UHF telemetry signals from both ground and airborne vehicles at the Naval Weapons Center.



MANY PHASES INVOLVED—George Barker, Electronic Technician, is shown completing one phase of the preflight check on a VHF telemetry system modified for special Chaparral flight test. The facility shown above is located in the Michelson Laboratory, and is used for calibration, checkout and implementation of design changes on operational telemetry systems.



DISCUSS DESIGN—Jim Rieger (r), Project Engineer, and F. L. LaPierre, Head, Telemetry Branch, discuss the signal conditioning design for the new Sidewinder/Chaparral UHF telemetry system.



LOTS OF MOBILITY — Electronic Technicians Dan Childers (l) and George Barker get ready for a trip to NAF's "Hot Line" to perform telemetry preflight checks for a Sidewinder firing. The new mobile telemetry van will be able to receive transmit and record telemetry information and all UHF and VHF bands in remote locations.