

# 'King and I' to Feature East, West On-Stage

Barbara McKinney and Eduardo Romero have been selected to play the leading roles of Anna and the King of Siam in the Community Light Opera and Theatre Association's summer production "The King and I," it was announced recently by the director, Herbert Childers.

Mrs. McKinney, although a newcomer to CLOTA, has taught English and directed High School plays before coming to the area. In her role as Anna Leonowens, she portrays a highminded young British governess who comes to Siam in the 1860's to teach the king's many wives and children the ways of the western world.

as Anna's young son, Louis Leonowens. The role of Tuptim, a young Burmese girl who is given to the king as a gift, will be played by Lonnie Kline while Jimmy Kline will appear as the Burmese student who loves her, Lun Tha.

Wesley Willett will be seen as the Kralahome, the chief advisor to the king, with Terry Smith as the Interpreter. Captain Orton, the sea captain who brings Anna and Louis to Bangkok, will be played by John Malork and the British Ambassador, Sir Edward Ramsey, will be played by Jim Moore.

Appearing as the Royal Wives are Marti Romero, Barbara Mock, Pat Bolstad, Jan Hadden, Cheryl Robertson, Teresa Borges, Barbara Clark, Elaine Hastings, Diana Douglas and Michele Thorpe.

**Young Players Featured**  
The Royal Siamese Children will be played by Pam Rusciolli, Pam Condos, Patti Metroulas, Linda Zeutzius, Cathy Fallgatter, Karen Roberts, Rick Rusciolli, John Condos, Noel Roberts, Ken Roberts, Duane Green and Ricky Green.

One of the highlights of the play is an exotic ballet based on the anti-slavery novel, "Uncle Tom's Cabin." The part of Uncle Tom will be danced by Monique Walker with Christina Metroulas as his daughter Topsy. Carol Mayer will appear as Eliza, the runaway slave girl, while Joan Leipnik will play the role of the angel who helps her escape. The wicked master "Simon of Legree" will be danced by Kenneth Stephens, with Kathryn Plauson as Little Eva.

Other members of the Royal Dancers are Mary Netzer, Yolanda Rusciolli, Jeanie Kaufman, Sandra Cavalliere, Flo Condos, Lauretta Stogsdill and Diane Pettet.

"The King and I" will be presented on July 20-22 and 27-29, at the Murray School auditorium.



**NEW EAGLE SCOUT** — The second Eagle Scout Award earned in China Lake's Troop 3 in the past year is presented to James Bergens at a picnic-Court of Honor at the NAF pool by LCdr. Harlan R. Pearl and Scoutmaster Glen Bray. LCdr. Pearl was a scout himself for several years in his youth. The ceremony and picnic were held Wednesday, this week.



**SCHOLARSHIP WINNERS**—Young ballerinas who recently won China Lake Ballet Society scholarships totalling \$500, plus lessons, are (back, l-r) Pamela Renner, Christine Metroulas and (front, l-r) Nancy Miller, Pamela Rusciolli and Edith Koff. Others (not shown) are Terri Jacks and Rynna Swingrover.

# Lifetime Sports Second Phase

It was announced this week that the second phase of China Lake's Lifetime Sports Foundation project will be getting underway soon. According to Athletic Director Ray Gier, badminton instruction will begin next week at the station gym. The program will be conducted for children in age group 10 to 18 at 1 p.m. Wednesday and Friday and for adults at 7:30 p.m. on Wednesday. The program is open to all residents of China Lake. It is expected that a small entrance fee will be charged. All interested persons are requested to contact Gier at extension 72017. The classes will begin on June 21.

Professor Thomas I. Hines, Head, Department of Recreation and Park Administration, North Carolina State University, will visit China Lake on June 23 to observe Lifetime Sports activities and discuss the program with O.A. "Gabe" Imer, project director, and others connected with the project. Professor Hines is visiting all of the communities participating in the pilot demonstration in badminton, bowling, golf and tennis under the sponsorship of the National Recreation and Park Association. His evaluation and findings will be used in publications and guides to help communities and agencies develop similar programs.

Professor Hines serves as consultant to NRPA on Lifetime Sports. He helped develop the plans for the 1966 project which was limited to eight communities and conducted the evaluation. This year the program was expanded to over 100 communities. NOTS is the only military base in the program. The program has been underway on the Station for several months.

# Ballerinas Win Annual Gifts From Society

The China Lake Ballet Society held their annual scholarship tryouts Saturday, June 10th, at Murray School. Scholarships may be applied to costs to attend summer ballet schools or take private or additional lessons.

The winners were: Terri Jacks and Christine Metroulas, \$125 each; Edith Koff and Pam Renner, \$75 each; Nancy Miller \$70; Pam Rusciolli, \$30; and Rynna Swingrover, trophy and free point lessons donated by Mrs. Bette Jacks.

One winner, Terri Jacks, has announced that her prize will be applied to attend the Royal Ballet Russe school in New York City this summer.

Fourteen students attended the tryouts. They are from the two local schools instructed by Mrs. Bette Jacks and Mrs. Carol Mayers, respectively, who participate in the China Lake Ballet Society.

The judges were Mrs. Joan Leipnik, Mrs. Lana Mattison and Mrs. Wilma Zeutzius.

The rush - hour traffic we'd just as soon miss is when car-after-car moving likethis.

# CROSSWORD PUZZLE

Answer to Previous Puzzle

1-Genus of maples	1-High card	35-Flower	56-Weakens
5-Fall in drops	2-Compare	38-Distance	58-Consumes
9-Stitch	3-Latin conjunction	40-Metal	60-Swiss river
12-Animal enclosure	4-Communist	43-Second of two	61-Parent (colloq.)
13-Bacteriologist's wire	5-Entrances	45-Molars	62-Conjunction
14-Anger	6-Distant	48-Pertaining to Norway	64-River in Italy
15-Printer's measure	7-Exists	51-Negative	66-A state (abbr.)
16-Fate	8-Vigor (colloq.)	53-Greek letter	
18-Place	9-Hindu guitar		
20-Symbol for tellurium	10-Tautonic dolly		
22-Preposition	11-Pronoun		
24-South American rodent	19-Above		
27-English baby carriage	21-Direction		
29-Heavenly body	23-Small rugs		
31-Decay	25-Parley		
32-Intense beam of light	26-Authenticate officially		
34-Sewing case	27-Gratify		
36-Symbol for niton	28-Encounter		
37-Regard	30-Wheel tracks		
39-Discord	33-Harvest		
41-Near			
42-Caudal appendage			
44-Father (pl.)			
45-Put in position			
47-Procedure			
49-Classify			
50-Paradise			
52-Short jacket			
54-Compass point			
55-Dawn goddess			
57-Exact			
59-A continent (abbr.)			
61-Stroke			
63-Simians			
65-Alms box			
67-Hard-wood tree			
68-Study			
69-Row			

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# NAF's PR-1 Buford Foreman Chosen 'Bluejacket' for June

## Bluejacket Saw Two East Crises On Essex Cruise

In a world of crises, PR-1 Buford A. Foreman of NAF has sailed smoothly through to land, most recently, at China Lake, where he has been chosen to represent NOTS as the "Bluejacket of the Month" for June.

PR-1 Foreman came to NOTS in February, 1966, with his wife Jo and three children Ingrid, Valarie and Vincent, now eight, seven and five years of age, respectively. He also brought a locker-full of sea stories from his dozen years of Navy service since July, 1955, when he enlisted in his home town of Florence, Alabama, as an Airman Recruit.

After his boot training, Parachute Rigger "A" and "B" schools and a tour at Moffett Field, Buford Foreman embarked on a two-year cruise aboard the carrier USS Essex, and participated during the Lebanese crisis of 1957, when U. S. Marines landed in that country. After an extended period at sea in the Mediterranean, his ship passed through the Suez Canal and headed out to the Orient and the Formosa crisis.

Here at NAF, Foreman is supervisor of the Aviators Equipment Division's Oxygen Regulator Repair Shop, and carries the collateral duty of Quality Control Inspector.

He has put every hour to use during his months here at China Lake, and has accumulated two semesters of college credit in English and life sciences from night classes at the Desert Division of Bakersfield College. During some weekends and leave time Foreman heads out with friends to the mountain lakes of the High



**FAMILY TAKES A CRUISE**—As PR-1 Buford A. Foreman pages through his cruise book from the USS Essex, his wife Jo and children (l-r) Ingrid, Vincent and Valarie follow along. Foreman participated in the U. S. response to both the Lebanon and Formosa crises during his 1947-48 cruise. He is the supervisor at NAF's Oxygen Regulator Repair Shop, Aviators Equipment Division. —Photo by PH3 Jerry Willey

Sierra for hiking and fishing. Not that he spends the bulk of his off-duty hours in classes or in the mountains! Aside from the daily pleasure of raising his two daughters and son, he and his wife join in reupholstering or building furniture for the house and yard. He just recently sold a reupholstered living room couch to make room for newly-built furniture, and is getting constant use of a piece of yard furniture called a "tet-a-tete"—two chairs joined by a table.

The whole Foreman family will be traveling to Bakersfield next Friday, June 23, where Buford will be the guest of honor of the Greater Bakersfield Chamber of Commerce.

The Foremans will stay at the Holiday Inn during their weekend on the town, and Buford will drive a new car from the Van Wyk Volkswagen agency. Chamber members will meet the family on their arrival and present them with a hospitality packet of gift certificates from Brock's Department Store, Valley Office Supply, Fedway, the Cue Ball and the Kern County Museum.

The "Bluejacket of the Month" program will be featured on Bakersfield radio and television stations during news broadcasts next Friday.

# Flying 'Cobra' Gives Picture of Helo War

In four packed conferences this week in Michelson Lab, members of the Station's scientific community, administration and command took the opportunity to hear the progress of combat helicopter tactics from a much decorated veteran of Army aerial warfare in Viet Nam.

Major George O'Grady visited NOTS Tuesday through Thursday this week, after a year's combat duty in the Viet Nam Delta, where he earned a Silver Star, Legion of Merit, three Distinguished Flying Crosses, 42 Air Medals and a Commendation Medal, besides the Republic of Viet Nam's Cross of Gallantry with Palm, Gold Star and Silver Star.

The originally scheduled two conference presentations drew such overflow attendance, that another two were added, according to Lt. Col. R. S. Clark, NOTS Army Liaison Officer and Major O'Grady's host at China Lake. The Major spoke on "The Role of Armed Helicopters in Delta Operations."

He told of the successes of his "Cobra Platoon" of the



**TAKES A LOOK AROUND**—Major George O'Grady, U. S. Army, (left) is escorted through the Station's Weapon Display Center by Lt. Col. R. S. Clark, NOTS Army Liaison Officer. Major O'Grady gave four conference presentations this week on the status and future of helicopter combat tactics during his stay here this week.

Armed 114th Aviation Company, and of one instance in which the platoon captured 188 Viet Cong from the air, after destroying most of the enemy unit in a quick, fierce, vertical assault.

Major O'Grady now is assigned to Special Projects, Air Armament Division, Department of Tactics, U. S. Army Aviation School at Ft. Rucker, Alabama, where he has joined his wife and three children.

# John McNaughton Is Nominated Navy Secretary

John T. McNaughton, 45, has been nominated to be the new Secretary of the Navy by President Johnson. He succeeds Paul H. Nitze, who will take over the job of deputy secretary of defense, due to the resignation of Cyrus R. Vance.

McNaughton came to the Defense Department at the beginning of the Kennedy Administration as deputy assistant for arms control. A year later, he became general counsel. He held that post until July 1, 1964, when he was named assistant secretary of defense for international security affairs.

McNaughton was a naval officer during World War II, reaching the rank of lieutenant. He commanded a Navy gun crew on a merchant ship in the Caribbean and North Atlantic and then served on a destroyer escort in the Pacific.

A Harvard law school graduate of 1948, he embarked on a varied career as a Rhodes scholar, government attorney, columnist and editor for the Perkin, Ill. Daily Times, and a law professor at Harvard. He is a native of Bicknell, Ind.

# Two Doctors Win High Navy Honor

Following the recommendation of the National Awards Board, under the chairmanship of the Honorable Thomas S. Gates, the Board of Directors of the Navy League of United States, Washington, D.C., awarded a certificate of professional competence on June 6, to Dr. Lohr A. Burkardt and Dr. William G. Finnegan which read in part as follows:

"In testimony and tribute to outstanding service to the United States Navy and the Nation, and in recognition of professional competence and superior achievement which are in keeping with the cherished tradition and high ideals of the United States of America."

Burkardt is assigned to Code 5052 and Finnegan to 5056.

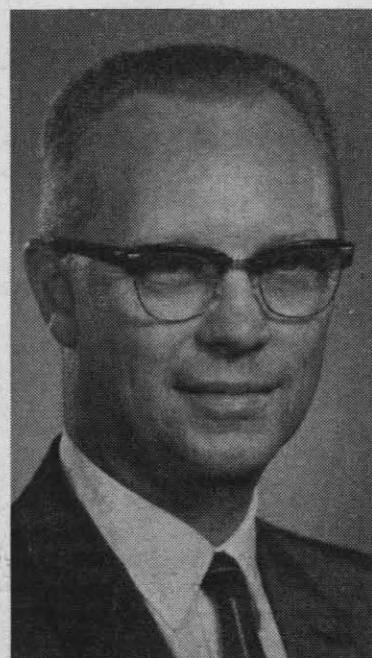
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TO \_\_\_\_\_

The Rocketeer IS NOW LOCATED IN New Offices at Nimitz & Lauritsen Bldg. No. 00671 SAME PHONES 71354 - 71655 - 72082



## NOTS Publishing Head To Conduct San Francisco Tech Writing Course



C. E. VAN HAGAN

Federal scientists and engineers throughout California will stand to benefit from a three-day course in technical report writing to be conducted by Charles E. Van Hagan in San Francisco, June 20-22.

Van Hagan, a nationally known authority in the field of technical publications, heads up the Publishing Division of the Station's Technical Information Department. He has held the post since 1954.

The three-day course is being sponsored by the Regional Employee Development Office of the U.S. Civil Service, San Francisco Region.

### Aims of Course

The course is aimed at strengthening the writing capabilities of scientist and engineers engaged in the writing of reports, technical articles, and related publications. California has the largest concentration of Federal research, development, and test organizations in the nation.

The three-day course will

cover such areas as: The influence of government regulations on technical writing; Planning for specific purposes and audiences; Organizing text, tables, and illustrations into an effective publication; The effect of reproduction processes on the structure of technical reports and articles; and Word usage and traditional errors in technical grammar.

**Will Depart from Norm**  
Van Hagan will depart from the norm in conducting the San Francisco course. He will conduct all the sessions himself. Usually, such courses are conducted by two to six instructors.

"It will be strenuous," Van Hagan noted, "but I want to determine for myself if the scientist and engineer will gain more knowledge by having the same instructor throughout the entire course."

Van Hagan has a vast background of experience in the technical publishing field, 17 years at NOTS, plus four years as technical editor and editor-in-chief for the U.S. Forest Products Laboratory, Madison, Wis., and has authored the Report Writers' Handbook, published by Prentice-Hall, Inc. He has written numerous aids and guides for technical writers.

### Wisconsin Graduate

A graduate of the University of Wisconsin, Van Hagan has eight years of practical experience as a civil engineer, and is a registered professional engineer.

He is a charter member of the Inter-Laboratory Committee on Editing and Publishing for the West Coast Naval Laboratories, a founder of the Technical Publishing Society, and past chairman of the local Sierra-Panamint Chapter of the Society of Technical Writers and Publishers.

## Veterans Rep. To Speak Here

U. S. Veterans Administration representative Frank Zanoni will address military personnel on the subject of in-service and post service programs and benefits at an orientation to be held at the Station theatre at 3 p.m. on June 20 and 8:30 a.m. on June 21. Representatives have also

been invited from the California State Employment Department, the U. S. Department of Health, Education and Welfare, Social Security Administration, and the U. S. Department of Labor.

Retired military or other interested personnel are invited to attend.



**TAKES SIX PLUS SCHOOL**—SN M. S. Lowe arranges to go another six years with the Navy, with LCdr. F. H. Elliott, Commander, NOTS Enlisted Personnel. He shipped over on the Star Program, which will enable him to attend the Construction Mechanics School at Pt. Hueneme soon. SN Lowe came to China Lake in July, 1966, and works in the Commissary Store.

## Final Warning For Teen-Agers On Driving Rule

Teen-agers, sixteen and seventeen, can't be issued drivers' licenses by the Department of Motor Vehicles after June 30th unless they have completed driver education and training. The rule includes youthful holders of six-month learning permits. This "last warning" was issued by DMV director Verne Orr on the eve of the effective date of a law passed in 1965.

### June Deadline

"As nearly every teen-ager knows," said Orr, "after June 30th his 16th birthday will no longer be the qualifying age for an automobile driver's license unless he has met the classroom and behind-the-wheel driver training requirements now prescribed in the Vehicle Code. To get a driver's license without such training he has to be 18 years old."

Orr cautioned that a teen-ager's report card showing that he took required driver training in school won't qualify him for driver's license processing at a DMV office unless he also brings with him the official DMV certificate of course completion. Teen-agers should make sure they are given this form by their instructor along with any entry on their report card.

## Navy Gas Station Will Close Soon To Civilian Use

Civilian employees of NOTS will no longer be authorized to use the Navy Exchange Service Station after Friday, June 30, announces LCdr. Barry Carmody, Navy Exchange Officer.

The announcement comes as work proceeds on the FEDCO service station to be opened on Station soon. Workers have installed storage tanks and erected gas pumps.

The Navy Exchange is now in the midst of an inventory reduction sale at the Station facility during June. LCdr. Carmody encourages all Laker to take advantage of cuts of up to 50 percent in the prices of parts and accessories.

## Safety Tips

Different pavement types have different characteristics. In some sections of the country, a driver might find himself on slick asphalt, concrete and loose gravel during a single day's travel.

Each of these conditions is different from the other and when going from one type to another, a driver should slow down until he gets the "feel" of the road.

Traffic accidents take the lives of several hundred bicycle riders every year. Most of these accidents involve a violation by the bicycle rider, but that doesn't excuse the driver. Be on the lookout for bike riders — especially at dusk — and give them every break.

## Von's Changes Name To Shopping Bag

The Von's and Shopping Bag market here will get a new name starting June 19. The Von's sign will come down and a Shopping Bag sign will go up.

**The separation of Von's and Shopping Bag is the result of a 1966 Supreme Court ruling. Under a Consent Decree the E. F. Mac Donald Company purchased forty Von's markets, including the China Lake store.** President Buz Bolstad of Shopping Bag Stores emphasized that only the name is changing. "Our China Lake customers can expect the same high quality foods, friendly service, and low prices that they enjoyed in the past," he said.

### Same Products

Mr. Bolstad, formally Operations Manager at Von's, said that the popular Von's private label products will be gradually replaced by the same products under the Shopping Bag label.



**IN THE NAME OF NOTS Federal Credit Union, Henry H. Wair, President of the Board of Directors, happily presents a \$200 check to Howard S. Clark, President of the Indian Wells Valley Pony-Colt League. The check is for the credit union's entry in the IWV Pony-Colt League this year.**



**WELCOMING HAND** is extended to George Whaley by Henry H. Wair (l-r), President of the Board of Directors, NOTS Federal Credit Union, as City of Ridgecrest employees are invited to join the credit union's field of membership. Whaley represents employees.

## Lecture Set On Astronomy

A lecture on the evolution of stars will be presented Monday, June 19 at 7:30 p.m. in Room D of the Community Center.

Dr. Edward Upton will speak on the subject, "Stellar Evolution". Dr. Upton is an Assistant Professor of Astronomy at U.C.L.A., specializing in stellar evolution and stellar structure.

The lecture is sponsored by the Alexander F. Morrison Foundation and the China Lake Astronomical Society.

## Missile Monsters On Your Lawn Can Cause Deaths

Power lawnmowers kill or injure over 80,000 people a year in this country. The power mower has become a major instrument for painful injury or even death. These incidents are sometimes called freaks, but they happen all too often to be freak accidents.

At Yellow Springs, Ohio, a three-year-old girl sustained eye injuries when struck by a piece of wood thrown some 70 to 80 feet by a neighbor's power mower; in Tennessee a nail thrown by a mower fractured a seven-year-old boy's skull; in Pennsylvania a woman's leg was punctured by a large nail; a 14-year-old boy left an Akron, Ohio, hospital with a small nail still embedded in the back of his brain; in Kendalia, Texas, a woman was hospitalized after a nail hurled by a power mower pierced a vertebra in her neck inflicting serious injuries.

**In Roseville, Michigan a 13-year-old girl was killed when her 12-year-old sister ran a power mower over a metal clothes hook. The revolving blades picked the hook up and hurled it into the girl's heart killing her instantly.**

At West Plains, Mo., a girl of two was slashed to death by the blade of a mower her mother was using.

A China Lake resident was more fortunate in the latest "missile" launched by a power mower. A Public Works em-

ployee was mowing the yard at a vacant house using a rotary power mower, the revolving blade picked up a rock about the size of a large marble and propelled it into the glass window of the house next door, a distance of about 50 feet. The tenant was in the room at the time and had leaned over to pick up some articles from the floor when the glass shattered, spraying the room with fine glass particles and covering her hair with glass. This could have been her eyes and face—a serious near miss.

The Safety Department advises to treat these machines with respect—they demand it.

## Valley Cyclists Ramble To Rally at Lone Pine

Road-riding motorcyclists from the Indian Wells Valley were featured prominently last Saturday and Sunday in Lone Pine as hundreds of cycle club members from southern California gathered for camping, eating, parading, show competition and tall talking.

The annual Lone Pine Run, sponsored by a Los Angeles group, the Ace of Clubs, drew 23 members of IWV's "Gypsy Wheels Motorcycle Club," including wives and children. They set out for Lone Pine at 8:30 Saturday morning from the Triangle Sport Shop near the main gate, riding machines ranging in engine size from 160 to 1200 cc, led by club president Gordon Beecham and road captain Richard Cox.

Mrs. Lonnie Cox returned from the weekend event with a trophy for third place in the judging for best female solo rider and machine, and Hal Schlarman took second place in the category of foreign-built machines. Although an award was given only for the most numerous club on the scene, the Gypsy Wheels were the second largest group there.

Activities at the center of Lone Pine included a parade, show judging at the nearby air strip, a precision riding demonstration by the Victor Mc-

Laglen Motor Corps of Los Angeles, a barbecue supper in the park and a dance in the Veterans of Foreign Wars hall.

"The town of Lone Pine really went out of its way to make the run a success," testifies Schlarman. "The town and the clubs worked very smoothly together the entire weekend."

### Coming Events

He said the Gypsy Wheels plan a local event for Saturday, June 24, starting at 4 p.m. called the Poker Run. It is to be a tour through Inyokern, Johannesburg, Red Mountain and winding up at Trona for a barbecue and swim at the American Potash Company's Valley Wells Swimming Pool. At five check points over the route, sealed envelopes will be handed out with one playing card in each. The rider with the best and worst poker hands in each of several categories at the end of the run will receive prizes, donated by Ridgecrest civic clubs and merchants.

Other Gypsy Wheels plans for the near future include a cycle safety check project now in planning with the Station's Safety Department, Ridgecrest civic clubs and Valley law enforcement agencies.



**READY TO RIDE**—Cyclists of the Valley's Gypsy Wheels Motorcycle Club finish their last-minute check near the Station main gate before setting out on the annual Lone Pine Run. They were the second largest group in attendance at

the weekend event, and two of them brought back trophies. Coming events include the club's Poker Run, a local event set for June 24.

## BOWLING NEWS

Twelve-year-old Sally Seaholm stole the show recently at the China Lake Bowl's Adult-Child Bowling Tournament. Sally, who normally averages about 117 in the local youth bowling leagues, rolled a 224 single and 499 series to top all prep bowlers in the tournament.

Winners of the four divisions in the tournament included: Prep Boys, Brett Pryor-Craig Rae 1153; Prep Girls, Sally Seaholm-Martin Seaholm 1188; Major Boys, David Martin-A. C. Stevenson 1279; Major Girls, Connie Clark-Mary Jane Clark 1176.

The NAF Hawks won the championship in the Tuesday Night Midway League which was completed recently.

## Gardening Notes

By Marianne Kistler

With the warmer weather upon us, the spring planting season is drawing to a close and the summer maintenance schedule now commands the attention of the desert gardener. The principal problem this time of year is to provide one's garden with sufficient water to withstand the heat of the sun, and also the drying winds that occur frequently in early June.

Watering during the cooler hours of the day is preferable; evaporation is lessened and the chance of wet plants being "burned" by the sun is reduced. Mulching (covering the ground with a one- to two-inch layer of peat moss, leaf mold, or similar organic material) is helpful in that it keeps roots cooler and helps the soil to retain moisture.

### Cutting Lawns

Lawns should not be cut too short; if the mower leaves about 2 in. of grass standing, the roots will be better protected and relatively less water will be required. Plants in clay pots and redwood tubs should be checked frequently as they will require more frequent watering than those in the ground.

Lawns frequently exhibit a problem this time of year; yellowish or brown spots appear and the grass begins to die in patches. This may be due to several things: It may be the result of a lawn moth infestation in which case the local nursery has a "cure" that can be sprayed on; or it may be due to a shaded lawn being heavily watered, never drying out, and consequently developing fungus infestations (the remedy being to space out the watering schedule); or it may be due simply to the fact that some lawns include an admixture of rye grass, which can't stand intense heat and which tends to die back in early June. If the grass that is dying is broad-leaved and grows in clumps, this may be the source of the problem.

### Colorful Birds

There are several colorful varieties of birds visiting our area right now. If you would like to view some of them close-up in your own yard, try setting out slices of melon and citrus fruit. Oranges seem to be especially popular; possibly the birds are attracted by the bright color.

You may be visited by Western Tanagers (a black and yellow bird with a red head), Bullock's Orioles and Hooded Orioles (black and orange), Black-Headed Grosbeaks (black and orange, but less colorful than the Orioles), and House Finches (which look a bit like red-headed sparrows).

## GEBA Assessment 131 Waived For Death of Charles H. Frady

No assessments will be levied to the death of GEBA-CLMAS member Charles H. Frady, a retired employee of Pasadena-Public Works, who died June 6, in Chicago, Illinois, announced Secretary-Treasurer Joseph M. Becker.

—Photo by PH3 Jerry Willey



# NOTS Pasadena

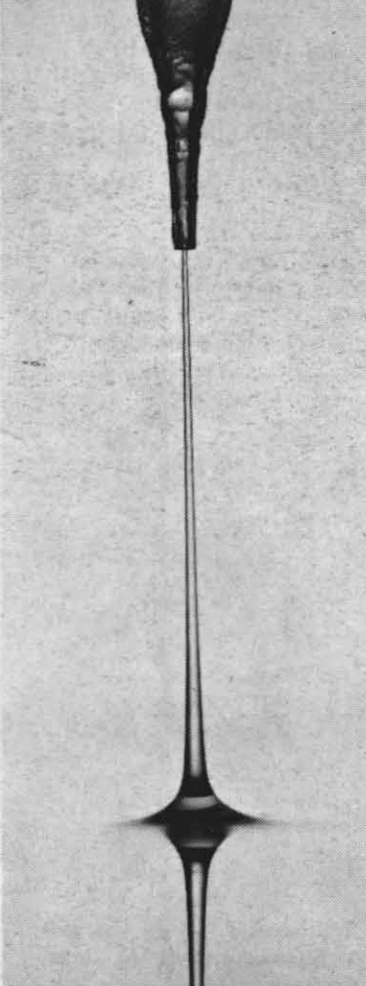
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## Elastic Water Again Does The Unexpected

It is by now well known that high molecular weight polymers dissolved in water can greatly reduce turbulent flow friction. However, the progress toward understanding why has been slow.

Elastic stresses due to stretching of the long polymer chains have been suggested as the cause. Thus, Dr. A. G. "Andy" Fabula of the Propulsion Division is studying various types of flows in which elastic stresses are believed to be important. The type shown in the photograph might be called the "Indian rope" or the "suspended outlet" flow, since the polymer solution is climbing upward out of a quiet pool into a low pressure outlet.

The existence of such flows was discovered accidentally during Dr. Fabula's thesis work at Penn State, when a barrel of solution was found to have emptied well below the end of the pump intake hose. Recently, Dr. Fabula and Dr. J. G. Waugh of the Propulsion Division have built an apparatus in which the flow can be produced and studied in detail.



ELASTIC WATER

where the additives can produce large effects, but are absent in laminar flows in viscometers where the additives produce only minor effects. Thus, it is hoped that useful information about actual stresses in turbulent flows can be obtained by investigating certain "non-viscometric" flows.

### Determining Stress

By measuring the thickness distribution and the speeds in the fluid column, it is possible to infer what stresses must be present. Dr. Fabula notes that the test fluid is subjected to a sharp transient in elongational strain rate (the time rate of stretch deformation) as it enters the base of the column. Strain rate transients are also present in turbulent flows.

## Team No. 4 Closing Gap

BY RAY HANSON

Sam's Saints continue to lead the NOTS summer bowling league, but Team Number 4 has closed the gap to make a lively race out of it. The Saints have won 12 and lost 4 so far, while Team Number 4 has won 11 and dropped 5. The Saints are Dory Aitchison, Judy and Bob Cowell, and namesake Sam Brown. Team Number 4 consists of Julie Hood, Lyn and Al Roeske, and Milt Blatt.

High scores for the week are as follows: team series, Foster's Follies, 2291; team game, Sioux, 837; men's series, Ray Hanson, 618; men's game, Mert Welch, 234; women's series, Elayne Colson, 584; women's game, Peggy Sheldon, 215.

Give a break to the pedestrian who's caught in the middle of an intersection by a light change.

## PROMOTIONAL OPPORTUNITIES

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

**Machinist (Maintenance), Hourly Salary Range: \$3.53 to \$3.83, Code P7151**—Duty Station SCI. Overhauls, maintains, and repairs machines and machinery installations such as machine shop equipment, ordnance plant processing equipment and machinery, power plant equipment, large pumping plant equipment, and range equipment.

## Doctorates Earned by C. Sweat, P. Warnshuis

Congratulations are in order for Calvin W. Sweat and Paul L. Warnshuis who recently completed all the requirements for their Ph.D.'s through the NOTS Fellowship Program. Dr. Sweat was awarded his doctorate in statistics, while Dr. Warnshuis' degree is in mathematics.



CALVIN W. SWEAT



PAUL L. WARNSHUIS

Dr. Sweat earned an A.B. in mathematics from San Francisco State College in 1954, then attended graduate school in mathematics at the University of California at Berkeley from 1954-1956.

Presently with the Analysis Branch of the Systems Development Division, UOD (P8053), Dr. Sweat came aboard as a mathematician with the Junior Professional Program in 1956. In 1962, he returned to Berkeley for three years to pursue higher education, returned to NOTS in 1965, and recently completed his thesis on a topic in game theory, sponsored by Professor David Blackwell.

Although born in Blytheville, Arkansas, Dr. Sweat considers San Francisco his home town. He and his wife, Ann, reside in Diamond Bar with their two young daughters — Danae, 8 years; and Julie, 2 months.

Receiving his earlier degrees from Stanford University, Dr. Warnshuis earned his B.A. in education in 1951, M.A. in education in 1952, and M.S. in mathematics in 1953, after which he joined NOTS, Pasadena.

His work here from 1956-1959 was concerned with aerodynamics and ballistics. From 1959-1961, he headed the Analysis Branch, P8053.

In 1961 he entered UCLA on a part-time basis, specializing in probability theory under the direction of Professors Leo Breiman and Paul Hoel. His dissertation is entitled, "Automobile Traffic On Isolated Roads."

Currently head of the Math Analysis Section, P80823, Dr. Warnshuis is also teaching part time for UCLA Extension.

He and his wife, Joan, and their two sons—Jon 6 and Erik 4, reside in Altadena.

### New Employees

**Supply** — Patricia W. Bondsmanson, Clerk - Steno. **Personnel** — William R. Does, Clerk. **Public Works** — Allen D. Coble, Truck Driver (Heavy). **UOD** — James A. Route, Welder; Edward F. Barrett, Engineering Technician; Dr. Harry Hayashi, Mathematician; James P. Adams, Physicist.



**QUALITY STEP INCREASES** — Dave Newman, Head, Quality Engineering Division (r), congratulates three division personnel who have been rewarded with quality step increases for high quality performance over an extended period of time. Recipients are (l-r) Arnold Gerson, Gene Thirkill, and Bill Nary.



**DAVE HULTBERG**, Assistant Head, Advance Systems Branch for SCI, gives a briefing on the San Clemente Island Range Development and Sealab III to visitors (center l-r), Rear Admiral Charles N. Paxton, USNR, here on an orientation program, and

Lieutenant Commander George Martin, from the Office of Chief of Naval Material, Systems Development Division. Ray Riordan, Applied Undersea Science Section (r), assisted in escorting the visitors through other station laboratories.

### EDITORIAL

## Don't Be A Summer Statistic

ACCORDING to U.S. government studies, one family in seven owns a boat and eight million Americans water-ski. Add to these the millions who swim and skin-dive and the more than 20 million fishermen and you have a good size crowd using the resources available for water sports.

Unfortunately, a great many of these fun-seekers will become statistics by the end of the summer. They will fall victim to accidents, many of them fatal, simply because they failed to use good sense and follow the accepted rules of conduct and safety for boating, swimming, water-skiing, skin-diving or fishing.



Even more unfortunate is the fact that the majority of these accidents and fatalities can be avoided. There are countless organizations, clubs and societies that are ready, willing and able to provide advice, instruction, and supervision to those who wish to learn the "right way" for their particular water sport.

Couple common sense and good judgment with knowledge and competent instruction, and you can be reasonably sure of surviving the summer and still have a good time in the process.

If you are a boating enthusiast, check with your local U.S. Power Squadron, Coast Guard Auxiliary or boating club to learn about boating safety—then be sure to follow the advice of the experts.

Swimming, skin-diving and water-skiing clubs are found in every area where those particular sports are popular.

"Don't be one of those persons who thinks, 'It can't happen to me.' Take the necessary steps right now to insure that it doesn't happen to you and that you'll be around to enjoy next year. (AFNB)"

## D. O. D. Reminder

Military and civilian members of the Defense Department are reminded that each individual is responsible for keeping himself informed and complying with "Standard of Conduct" provisions relating to conflict-of-interest.

The reminder is a routine requirement of DOD Directive 5500.7 which basically directs all personnel not to allow themselves to be placed in a position where a conflict-of-interest may occur or might justifiably be suspected.

The directive covers acceptance of favors, gratuities or entertainment that could be interpreted as influencing the strict impartiality of conducting business in the public interest.

It also ranges over a wide area dealing with former personnel, such as soliciting by active duty military personnel, using of military or civilian titles in commercial enterprises and belonging to associations.

## PW Supervision Students Graduate

Public Works Department marked a milestone in its employee development program last week when 350 members were graduated from the Navy's training course in supervision for civilians. Completion of the class represented many hours of home study for the students. Included in the class by invitation were four members of the Supply Department.

Enrollment and participation in the supervision class was voluntary. Each lesson was followed by a discussion session led by Public Works supervisors. Discussion leaders for the more than 30-week class were: W. Lager, A. W. Wilson, J. Greenfield and E. J. Seybold. Other members of PW supervision leading post-study discussions were: J. Barra, F. E. Rockwell and F. F. Donnelly.

The final lesson was held at a mass meeting of all sections of the class when Joe Doucette of Personnel Department lectured on "Equal Employment Opportunity." Following Doucette's talk, I.



**SUPER TRAINERS** — Most of the Public Works supervisors who conducted discussion sessions for participants in the Navy's supervisory course are pictured with Joe Doucette of Personnel Department. From the left; J. Barra, J. Greenfield, Doucette, I. I. Shull, E. J. Seybold, A. W. Wilson, and F. E. Rockwell.

## Dentistry Program Is Well Underway To Halt Cavities

Operation "Captain Kid" is well on its way to eliminating most cavities among sea service children.

The Navy's preventive dentistry program was launched in February, and by now thousands of dependents have received an application of stannous fluoride.

The goal is treatment of 261,000 children at 230 Navy and Marine Corps facilities. Many of the bases have completed their programs. Others are working on a continual basis. Some won't start until summer when vacationing children are more available.

The children, who are between six and 18 years old, perform part of the treatment themselves. Before coming to the clinic they brush their teeth with a special dentifrice, developed by the Navy.

Due to military commitments, the treatments usually are performed on Saturdays or after working hours. Five minutes is allotted to each patient, permitting dental officers to treat ten an hour.

Each child is given an oral examination, a topical stannous fluoride application, a demonstration and lecture on oral hygiene, booklets on dental health and a preventive dentistry kit.

The program has been designed to stimulate patient involvement — to make parents and children aware that preventing cavities is as important as treating them.

The program was started on the Station during the Christmas holidays, and so far over 200 children have been treated.

## Apprentice Graduation Exercise Set June 16

Graduation exercises for 22 members of the Naval Ordnance Test Station's Apprentice Program, who have successfully completed four years of training, will be held Friday, June 16, from 2:30 to 4 p.m., in the China Lake Community Center.

R. Frederic Ladda, apprentice trade theory instructor, will serve as chairman of the apprentice graduation ceremony, which will be opened with an invocation by Cdr. Paul P. Romantum, Station senior chaplain.

The graduation address will be delivered by Capt. Robert Williamson II, Station Executive Officer. Presentation of Associate Arts Degrees will be made by Richard A. Jones, Dean, Desert Division, Bakersfield College, assisted by Donald L. Kester, apprentice college counselor.

The current graduating class will bring to a total 320 who have graduated from the program since it was inaugurated in 1948. Still employed at the Station are 217 who have completed the program.

A benediction by Chaplain Romantum will conclude the program.

The Naval Station conducts apprentice training for the purpose of developing highly skilled artisans, future key employees, and supervisors.

These objectives are met through an effective shop training program which consists of planned rotational job assignments under the leadership of skilled shop instructors and an academic program with the Bakersfield College Desert Division.

The current graduating class will bring to a total 320 who have graduated from the program since it was inaugurated in 1948. Still employed at the Station are 217 who have completed the program.

## 8,500 Foot Hole

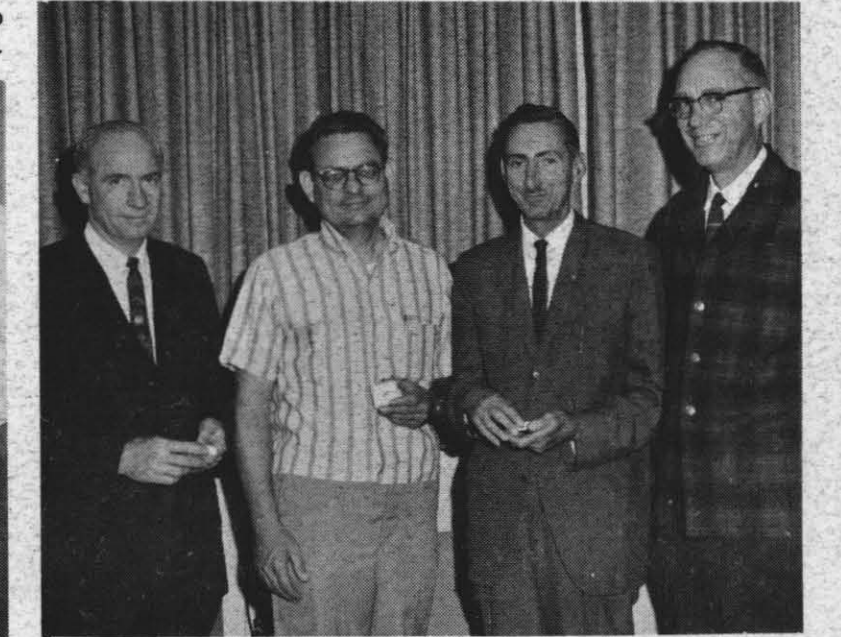
American scientists working with the Navy's Operation Deep Freeze at Byrd Station, Antarctica, are drilling an 8,500 foot hole in the 30,000 year old ice. The drilling will give the scientists an idea of snow accumulation over the years.

### Telephone Discontinued

The Employee Management Relations Division announces that the Beneficial Suggestion telephone answering service, Ext. 72921, will be discontinued effective June 19, due to lack of use.



**20-YEAR AWARDS** — Research Dept. men who received their pins for 20 years of service in the federal government recently are (l-r) Edward W. Price, Charles M. Drew, Gerald C. Whitnack, William S. McEwan and Ronald A. Henry.



**VETERAN RESEARCHERS** — Pins for 20 years of NOTS service were awarded recently to (l-r) Charles M. Drew, Kenneth I. Reinhart, Gerald C. Whitnack and Ronald A. Henry.



CHAPLAIN'S MESSAGE



My Brothers' Keeper

By Senior Chaplain Paul Romantum

The greatest story of brotherhood was told by the Lord Jesus Christ in answer to the question, "Who is my neighbor?"

At this point in human history we must admit that brotherhood in theory and brotherhood in practice are poles apart.

"Lord help me to show toward my fellow men that kindness which I have so often craved from them. May I think of my neighbor not as my rival who would undo me, but as my brother who needs me."

PROMOTIONAL OPPORTUNITIES

Present Station employees are encouraged to apply for the positions listed below.

Management Analyst, GS-9 or 11, PD No. 13991, Code 5502—The purpose and function of this position is to provide staff assistance to department management in conducting studies analysis and evaluation of the department's organization function;

Equipment Specialist (Missile and Ordnance), GS-11, PD No. 755065, Code 5555—Position is in the In-Service Support and Documentation Branch of the Technical Data Division.

Traffic Management Specialist, GS-2100-11, Code 2598—As Head, Traffic Branch, incumbent will be in charge of all traffic received, inspected, delivered, consolidated, packed, marked and shipped for the Station.

File applications for above with Loreta Dudley, Bldg. 34, Rm. 34, phone 71514.

File applications for above with Naomi Campbell, Bldg. 34, Rm. 28, phone 72718.

File applications for above with Evelyn Moore, Bldg. 34, Rm. 26, phone 72772.

File applications for above with June Chipp, Bldg. 34, Rm. 26, Ext. 72676.

File applications for above with Sue Proselowicz, Bldg. 34, Rm. 26, phone 71577.

File application for above with Mary Morrison, Bldg. 34, Rm. 32, phone 72032.

Branch Head, (Electronic or General Engineer), GS-13, PD No. 630058, Code 3065

Branch Head, (Supervisory Physicist, General Engineer, Mathematician, GS-13), Code 3011—The position is that of Branch Head of the Simulation and Analysis Branch in the Weapon System Division.

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

'DESERT PHILOSOPHER'

VANDALISM

By "POP" LOFINCK



In a previous column I wrote about what wonderful success our Government, both Federal and State, has had with the program of conservation of our natural resources—before it was too late.

This didn't come about spontaneously, it took courageous and persistent efforts by far sighted individuals to get the program started and keep it going—and it is continuing. Bravo!

So here is where you come in—as a conscientious individual, to do your part in helping to educate your friends and acquaintances to be on the lookout.

There seems to be some doubt as to whether low grade moron vandals can be taught—they crave dramatics and show-off—and it's illegal to shoot them—so there's our problem.

You wouldn't knowingly permit your house or garden to be vandalized. So remember—the wilderness is yours too and merits your protection.

Some years ago, a midwest town council got the idea of planting rose bushes in the parkway down the center of the main street.

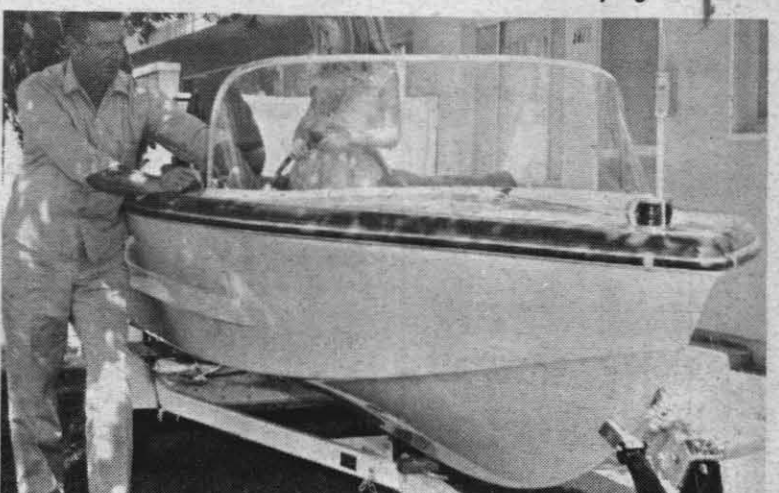
The roses were planted anyway—and signs were put up along the way, stating "THIS GARDEN IS YOURS—help protect it as an extension of your home garden."

The YOUR GARDEN is what worked—that did it! So it's up to us to educate every loyal citizen to be a self-appointed guardian of your great outdoor wilderness playground.

It can be done!



READY FOR WINNERS—Bob Pinney, Master of Ceremonies at the Navy Relief dance last Saturday, begins to read the name of a winner of one of this year's fund drive prizes.



DRY LAND SAILORS — BM-2 Max H. Luna teaches his daughter Rene, 6, the controls of their new boat, first prize in the 1967 Navy Relief Fund drive here.

THE LOCKER ROOM

The Bird Game

By ED RANCK



Those who are familiar with fun and games should have little trouble identifying the following sport: The player must spend many hours practicing to become proficient.

To gun enthusiasts the answer is obvious, but to most sports fans, trapshooting is near the bottom of the popularity list.

We had our first chance to observe a trapshooting meet recently. The scene was at the Indian Wells Valley Skeet and Trapshooting Club.

Trapshooting is basically a simple game. All the shooter has to do is knock a clay pigeon or "bird" out of the sky.

Five members of a squad are positioned behind the "bird house" at handicap distances of from 16 to 27 yards.

The bird house is a low concrete building which stands just a few feet above the ground. Inside the house is a hidden pendulum which swings back and forth in a horizontal arc of about ninety degrees.

Now the fun begins. The shooter, who has been sighting over the house, must react instantly and sight the bird in the direction it has been fired.

The sport is governed by the Amateur Trapshooting Association. The name may be a bit misleading, because all members are eligible to shoot for prize money.

Only about two percent of all trapshooters have a 27 handicap, and Rich Clodt, who operates the IWV club, is one of them.

The high score went to another IWV club member, Red Purcell. Red hasn't been at the game as long as a lot of top trapshooters, but has moved up to a 24 handicap in four years of shooting.

Trapshooting can be a fairly expensive hobby. The going price for a good gun is around \$400, and some shooters have weapons that are valued at \$3,000 or more.

There are compensations though, and the families of good shooters aren't likely to starve to death.

There are compensations though, and the families of good shooters aren't likely to starve to death. Purcell and Clodt each earned over \$6,000 in prize money last year, and that kind of money, sports fans, will buy a lot of buckshot.

SOFTBALL STANDINGS

Table with columns for W, L, GB, S vs. Ace TV, PLAYER, BATTING, AVG. Lists standings for various teams like Triangle Sporting Goods, Engineers, Ace TV, etc.

Three Clubs Play

The finals of the Tri-Club Golf Tournament were held recently at the China Lake Golf Club.

Low net winners were Andy Bodner, Ben Gaska, Joe Ruiz and Bill Cummings, 189; Bruce Bernhardt and Ray Thurm, 191; Don Fraser and Don Hiles, 192.

In the Intramural Golf League, only one and one-half points separated the top five teams as the league began its fourth week of play.

Team Points: Public Works No. 1 14, Code 40 No. 1 13 1/2, Code 45 No. 1 13 1/2, Public Works No. 2 12 1/2, Code 45 No. 2 12 1/2.

Swim Season Open

Opening the summer swim season with a victorious splash, sixty red-suited youngsters of the Indian Wells Valley Team walloped the highly rated Aqua Aces Team at Oldale last Saturday.

High point of the meet was a clean sweep of both freestyle and medley relays by IWV girls in all five age groups.

Freestyle—Clayton Bustard, Colleen Jones, Kathy Kne-meyer, and Nick Kleinschmidt.

Backstroke — Carol Boyd, Martin Forrester, Colleen Jones, Curt De Crinis, Jeanie Kaufman, Mike Badalich, Linda Wiley, Jon Allan, Ann Allan and Bill Beresford.

Butterfly—Mary Lou Mello, Clayton Bustard, Jan Hillard, Steve Forrester, Jeanie Kaufman and Dee Dee Fletcher.

Individual Medley — Mary Lou Mello, Martin Forrester, Jan Hillard, Steve Forrester, Kris Bjorklund, Linda Wiley and Dee Dee Fletcher.

Junior Clinic

The China Lake Golf Club announced this week that a Junior's Clinic will be held starting June 20. It is expected that the clinic will continue until July 20.

Station Softball Race Continues To Tighten

The pennant race in the Station Softball League continued to grow tighter this week as the Engineers were finally defeated and fell to second place.

Triangle downed the defending champs 8-4 to move into the lead. Doug Scoggins and Ed Ranck drove in two runs each as Triangle scored seven runs in the third to take a big early lead.

Klassen scattered four hits as Triangle defeated tailed Genge Industries 14-1. Rich Schroeder hit two homers and Ranck connected for one to pace the 13-hit Triangle attack.

In games played Tuesday night, Earl Roby tossed a no-hitter as Magic Cleaners won their third in a row, downing NAF 11-1.

The VX-5 Vampires survived a wild second inning as they came from behind to defeat the NAF Hawks, 8-6.

Art Hickle won his first game of the year for VX-5, and Don Sichey was the loser.

Bert Andreason fanned twelve hitters as Ace defeated the Tigers 7-3. The winners put the game on ice in the seventh with three runs, Andy Gilpin's two-run double being the big blow.



TRAPSHOOTING WINNERS—Members of the IWV Skeet and Trapshooting Club gather with trophies following a meet last Sunday at the local club.

TENNIS ACTION

The Edwards AFB Tennis Club avenged last year's 11-0 defeat by downing the China Lake Tennis Club, 6-3, in action here last Sunday.

In the feature match of the day China Lake's Buck Bustard defeated Edwards team captain and number one player, Ken Johnson, 10-8.

Brown was the losing pitcher. The Tigers scored in every inning but the second as they crushed Genge 20-7.

Warren Turnbaugh and Dave Wilkie homered for Genge.

Mike Mowry made it 8-6 with a homerun in the sixth. Art Hickle won his first game of the year for VX-5, and Don Sichey was the loser.

In games played Tuesday night, Earl Roby tossed a no-hitter as Magic Cleaners won their third in a row, downing NAF 11-1.

The VX-5 Vampires took advantage of ten walks issued by pitchers Mike Choiniere and Barney Hixington, and seven base hits to pound out a 13-4 decision over NOTS. Jim Taylor had three base hits, and Harry Hess drove in three runs for the winners.

Jack Gann went all the day to pick up the win for the Vampires, while Choiniere was the loser.

Bert Andreason fanned twelve hitters as Ace defeated the Tigers 7-3. The winners put the game on ice in the seventh with three runs, Andy Gilpin's two-run double being the big blow.