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THE ROCKETEER

THURSDAY, APRIL 16, 1992

NAVAL AIR WEAPONS STATION, CHINA LAKE

Vol. 48, No. 15

Capt. Craig approves RATSSEP

*Airfield Galley set to
become NEX cafeteria*

With conversion of the Navy-operated Airfield Annex Galley to a Navy Exchange cafeteria May 1, Capt. B.J. Craig, commanding officer, Naval Air Weapons Station China Lake, has authorized enlisted personnel assigned to the NAWS and its tenant activities to draw rations separately (RATSSEP). This can be accomplished without the previously required request chit.

Rations in kind (RIK) meal passes will not be accepted at the new NEX cafeteria. Therefore, holders of the RIK passes, who regularly use them at the airfield galley should visit PSD (with RIK pass in hand) as soon as possible to make arrangements to have the RATSSEP meal allowance added to their paychecks in time for the changeover.

The sooner such arrangements are completed, the less likely individuals will have to dip into their regular pay for meals at the airfield, said Cdr. Chip Mills, NAWS XO. He went on to explain that the allowance will be paid retroactively to the RATSSEP application date. Therefore, sailors need to budget accordingly.

Those who regularly eat at the Main Galley using the RIK card will still be able to do so, but must be aware the card will not be honored at the airfield cafeteria.

The transfer of responsibility for the airfield facility came as a result of an operational

Please see **RATSSEP**, Page 4



COMPLIANCE—Greg Blalock of the Printed Wiring Board Shop switches on the ion exchange regeneration system, a component of the waste water treatment system installed to stop discharge of toxic substances into the industrial sewer system, which is due for closure. The four cannisters (center) contain resin beads saturated with metal and other ions. The regeneration system reclaims some ions and neutralizes others. See story on Page 6 about this and other improvements at the shop.

Dan Gillespie's applied mathematics book, a first for cooperative research agreement

By Cliff Lawson
Technical Information Department

There's more to Dan Gillespie's "Markov Processes, An Introduction for Physical Scientists" than meets the eye. You open the elegant art deco cover of this hefty, hardbound book to see 592 pages of equations, graphs and scientific discussion. What you don't see is the story of the intensive 5-year research effort that created the book, the negotiations of a first-of-its-kind Cooperative Research and Development Agreement (CRDA), complex dealings with publishing houses and...the return of the California Zephyr.

Gillespie heads the Research Department's Mathematical Sciences Group. For more than 20 years he has been doing research in the field of random processes, particularly Markov processes. Although Markov process theory is usually regarded as the domain of "pure" mathematicians, Gillespie notes that this theory is increasingly being used by physicists and chemists. Calculus, the tra-

ditional mathematical tool for scientists, provides a conceptual framework within which technical problems dealing with deterministic events can be formulated and solved. Markov process theory extends the calculus framework to situations in which randomness plays a role: war games, for example, or chemically reacting systems, or electronic motion in semiconductors.

In 1986, Gillespie decided to try to expand and consolidate his knowledge of the many dissimilar parts of Markov process theory into a logically integrated, self-consistent whole. This was not an easy task. "About half of what's in this book was unknown to me six years ago," he says, "and most of that I didn't learn from other books but had to puzzle out for myself." His work was supported in part by the Office of Naval Research.

The new book weaves Gillespie's original contributions into a newly formulated presentation of Markov process theory that makes the subject more accessible to physicists and chemists. The

Please see **GILLESPIE**, Page 14

Ted Hicks final 1991 winner of ML Award

Nineteen years of professional excellence and outstanding leadership brought one of China Lake's top individual honors to Ted Hicks, head of the Attack Weapons Department's Structural Composite Project Office. On Monday he became the final recipient of a Michelson Laboratory Award for last year.

Hicks, unable to attend the original award ceremony early this year, was surprised with the honor at an Attack Weapons Department staff meeting. Bill Porter, deputy commander for research and development, NAWC Weapons Division, presented the award.

Porter was the technical director of the now disestablished Naval Weapons Center. Hicks was nominated by Paul Homer, head of the Attack Weapons Department.

After earning a degree in mechanical engineering from the University of Utah, Hicks began his China Lake career in 1972. Over the years he developed a reputation as an internationally-recognized leader in composite technology.

Hicks' recent efforts have focused integration of composite materials into design and fabrication of tactical weapons systems. This work has made significant impacts to the insensitive munitions programs, tactical rocket motor cases, tactical missile airframes and more.

The Michelson Laboratory Award is complimentary to the

Please see **HICKS**, Page 15

Sea Cadet training
VX-5 helps local cadets prepare for flagship competition

Secretaries Week
First of several profiles appear this week

Month of the Child
China Lake programs give parents an alternative to babysitters and latchkey kids

The Weather Report

	Max.	Min.	Gusts	Precip.
Wed	85	45	9	-
Thurs	86	44	10	-
Fri	86	46	11	-
Sat	83	43	19	-
Sun	81	44	18	-
Mon	81	49	19	-
Tues	81	48	13	-



COMMENTARY

China Lake Calendar

Thursday, April 16

•RADM. W.E. Newman speaks at National Contract Management luncheon, Carriage Inn, 11:30 a.m.

Monday-Friday, April 20-24

•Secretaries Week observed at China Lake

Thursday, April 23

•China Lake ITEA Chapter dinner meeting, Carriage Inn, 6:30 p.m., Col. Guy Gardner, USAF, guest speaker.

Wednesday, April 29

•China Lake Women in Science and Engineering lunch meeting, 11:30 a.m., Carriage Inn, Kathy Cummings and Alice Campbell, guest speakers

Friday, May 1

•MOWC-sponsored Art Auction, 7 p.m., Seafarer Club

The Commanding Officer's Desktop



The Commanding Officer's Desktop is a forum for China Lakers who have questions of broad interest. It is not the intent of this column to circumvent the normal chain of command. Questions may be called in to 939-2727 or mailed to "CO's Desktop, C/O Code 0033, NAWS, China Lake."

QUESTION

I have a question and a recommendation regarding traffic safety. As you are turning onto the base from the spotlight at China Lake Blvd., people move back and forth across those lanes as if they don't exist. I have been involved in a couple, and have seen several, near misses. I was wondering if you could stripe those lanes so that lane changing was prohibited until at least everyone was going straight in the same direction. Thank you.

ANSWER

The intersection of Inyokern Road and China Lake Blvd. has received a lot of attention of late. This intersection is under the jurisdiction of the California Department of Transportation (CALTRANS). At the request of another employee, this intersection was reviewed by CALTRANS traffic engineers. Specifically, the traffic engineers were looking at the southeast corner and the two right turn lanes from China Lake Blvd. onto Inyokern Road at the main gate. After reviewing this intersection for two and a half days, they felt it did not warrant any changes. Thank you for calling.

QUESTION

Why is it contractors are allowed to use government vehicles? The contractors in my area are not allowed to use the taxi service, yet are allowed to use our code's government truck. They also have their own vehicle, yet none of us civilians are allowed to ride in it. Thank you for looking into this. I'll watch for an answer in *The Rocketeer*.

ANSWER

Government vehicles are made available to contractors when it is more advantageous to the government than requiring the contractor to furnish the vehicles. Contractors are not allowed to furnish "personal services" for government employees. Riding with a contractor in a contractor-owned vehicle would be construed as "personal services." Regarding your code's policy of allowing contractors to use government-owned vehicles assigned to the code, this is contrary to the general policy aboard the Station. I suggest you take the issue to your supervisor or call the head of the Public Works' Transportation Office, Dana Hams, at 939-3433 to further discuss the details and legitimacy of your observation.

CenterVision places focus on environmental changes as the way to do business

Thursday, April 23, the Public Affairs Office will present the third CenterVision videotape, "Business and the Environment: Lean, Clean and Green" in Room 1000D, Michelson Lab. Tom Peters' video proposes that being environmentally conscious just may be the brightest marketing move you can make. The tape puts the environment issue "at the top of the agenda for every business on the planet."

Among subjects covered in the video are 3M's 3P program

(pollution prevention pays), Compaq Computer's new environmental emphasis, and the World Economic Forum. According to Peters, 3M's program has already save the company a billion dollars. The videotape also highlights "the environment" as the most significant strategic issue the companies face in the 1990's.

The presentation, which supplement's Earth Day (April 20) observances, lasts 46 minutes and is scheduled at 9, 10 and 11 a.m. and 1, 2 and 3 p.m.

Pages From The Past

April 16, 1982

Major Richard E. Peasley, USMC, assigned to VX-5, was named the Navy Helicopter Association's Pilot of the Year. . . VX-5 pilots are developing combat tactics for the F/A-18 Hornet. . . The Navy Printing and Publishing Service director joined Capt. J.J. Lahr and Bob Krist in opening the new China Lake NPPS Office. . . PSD moved from old Dorm 4 to new quarters in the Community Center.

April 21, 1972

Thirty-six Seabees from NMCB 17 at China Lake headed for Gulfport, Miss. for two weeks active duty training. . . Ted Edwards, an NWC employee and Ridgecrest city councilman, was given a "White Knight Award" as he retired from the council. . . Chief of Naval Research and former China Lake Technical Officer, RADM. Carl O. Holmquist, was a recent visitor.

April 20, 1962

Ron Aaron, son of Mr. & Mrs. J.R. Aaron, learned he will receive the Civil Air Patrol Medal of Valor. . . Commandant of the 11th Naval District, RADM. M.E. Arnold, inspected NOTS facilities last week. . . James Moore, Harold Cronin and Ed Ashburn returned to the NOTS Earth and Planetary Sciences Department after a month of research in Alaska.

April 16, 1952

Captain C.R. Criddle, NOTS executive officer, is departing China Lake for command of the USS General G. M. Randall (TAP-115). . . The Navy Rockets baseball team lost three games in a week. . . Main event boxers from Saturday's on-Station fight were among five people injured in a car crash while returning to Los Angeles. . . RADM. M.F. Schoeffel heads a group visiting for the National Security Industrial Association conference.

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(202) 443-6743 (commercial)

Sierra Sands schools begin kindergarten registration later this month

Kindergarten registration for the children in the Ridgecrest, China Lake and Inyokern area is scheduled to begin later this month. The registration schedule for the 1992-93 is listed below.

Children must be five years of age on or before Dec. 2 to be eligible for entrance into Kindergarten for the 1992-93 school year. Proof of age must be presented at the time of registration.

Immunization information is needed at the time the registration appointment is made, or if the zoned school is not taking appointment, at the time of registration. Immunizations must be up to date before a child may register. The State of California requires children to have the following immunization before entering Kindergarten:

•Polio: 3 doses—one more dose if the last dose was given before the child's

second birthday;

•DPT: 4 doses—one more dose if the last dose was given before the second birthday; and

•Measles, mumps and rubella: 1 dose each—one more dose if last dose given before first birthday.

Registration Schedule

Parents should register at their zoned school for 1992-93.

•Faller School, 375-5081

Registration begins April 27 from 12:30-3:45 p.m. in the school office.

•Gateway School

Register at Groves School (see Groves schedule below).

•Groves School, 446-5501

Call now for a registration appointment. Registration will be by appointment from 1:45-3:15 p.m. on April 28, 29, May 5, 6, 19, 20. Register in the

Cerro Coso College sets class registration

Registration for students at Cerro Coso Community College will begin May 11 by telephone for Summer and Fall courses. Regular walk-in registration for students starts June 10 for Summer and August 11 for Fall.

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DEADLINE FOR ALL CLASSIFIED LINE ADS IS 4:30 p.m. TUESDAY

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BUSINESSES.....30
AUTOMOTIVE.....35
MISC. FOR SALE.....40
PETS & SUPPLIES.....45
GARAGE SALES.....50

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NEW DECORATOR IN TOWN Featuring home interiors and gifts accessories. Call now for info. Book a party and mention this ad, receive an additional 20 merits. 446-6239. (0522)

HOT? \$13.00 off summer service check up cost with this coupon for refrigerated air conditioning or evap cooler unit. Save this coupon add. Good thru 5-15-92. Bill Nelson Enterprises Air Conditioning, State Lic. 308035. Call 371-3900 anytime, 7 days, Trona 1-800-742-1203. (0415)

20 RENTALS

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BEST 1BR IN R/C. Free cable makes \$350/mo. a bargain! Prime location, convenient to shopping. Quiet, excellent condition. 375-5425. (0506)

NEWISH, CLEAN 2BR, upstairs, small yard and balcony, d/w, g/d, ref, gar. \$485/mo. Lv msg for Dave. 446-4575. (0422)

25 REAL ESTATE

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35 AUTOMOTIVE

89 HONDA CR 500 and trailer. \$2,500. 446-7895, lv. msg. (0415)

1990 NISSAN Hardbody Pickup. Carpet kit, stereo, camper shell. \$8300. Call 375-7475 after 3pm. (0429)

72 VW CAMPER VAN - nice condition. 446-7271. (0415)

35 AUTOMOTIVE

18 FT FISHING/SKI BOAT w/walk through-bow. 170HP Volvo engine. 270 Penta out-drive. Comes w/trailer, 7 hp Evinrude trolling motor, depth finder, CB radio, skis, life jackets and more. Asking \$6,000. 225 Larkspur. 375-7475. (0506)

90 FORD PROBE GT TURBO Sunroof, PW, PD, auto, tinted, am/fm/premium cass, leather. Low miles/29,000. Asking \$13,500 obo. 446-0443, lv msg. (0414)

1987 PLYMOUTH GRAND VOYAGER SE 6 cyl, a/c, ps, pb, cruise, tilt wheel, tinted windows, am/fm/cass, passed smog Mar 92. XLNT cond. Moving to Japan, must sell now. \$8,900. 446-2475. (0415)

1971 FORD F-250 w/11.5 ft slide in camper for sale. See on Lemon Lot at NAWS for further info. (0415)

91 HARLEY SPORTSTER De'luxe. 1800 miles, belt drive, 5 speed, black. \$4800. 446-6384. (0415)

85 TOYOTA TRUCK-Must sell, Asking \$3500. 371-1549, lv msg. (0429)

40 MISC. FOR SALE

CSUB Master of Administration textbooks for sale: Private and Public Investment Analysis, Financial Decision Making, Strategic Management, Administration of Government Contracts, Organization Theory and Design, and Organizational Behavior. Sell for 40% of published price OBO. LT Abel, 446-7805. (0422)

will be by appointment only beginning April 27.

•Rand School, 374-2326

Start registration now.

•Richmond School, 446-2531

Registration begins immediately. Afternoons are preferred until 3:30 p.m.

•Vieweg School, 446-2569

Call now for an appointment. Registration will be by appointment only from 1:45-3:15 p.m. on April 28, 29, May 5, 6, 19, and 20. Site B Capehart will register at Vieweg.

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COMMUNITY EVENTS

Members of the Veterans of Foreign Wars Ship 4084 and their auxiliary plan a Mongolian Bar-b-que from 3:30 to 7:30 p.m. on Saturday, April 18 at 117 Alvord St. Tickets, which are \$7 each, can be purchased at 117 Alvord St.

####

At 8 a.m. on Easter Sunday, April 19, the Exchange Club of Ridgecrest will hold its annual Community Easter Egg Hunt at Helmers Park (Warner Street). The hunt is geared for infants to children up to 8 years old. All age groups will win prizes for certain eggs. Age groups are infant to 3 years, 4-6 years and 7 and 8 year olds. More than one thousand eggs will be "hidden" for the hunt.

####

Kelo Henderson, a former movie star, will talk about his experiences to the Historical Society on Wednesday, April 22, at 7:30 p.m. at the Maturango Museum. In addition to talking about some of the people he has worked with (John Wayne, Jimmy Stewart and Rhonda Fleming), Henderson will show clips from *26 Men*, a story reflecting part of Arizona's history. Henderson and his wife now live in Ridgecrest.

####

On April 23, the China Lake Toastmasters Club will host an open house at the Training Center onboard the Naval Air Weapons Station China Lake. The meeting starts at 6 p.m. April 20-26 has been proclaimed by California Governor Pete Wilson as Toastmasters International Week in the State of California.

####

On Friday, May 1, the Dorian Society will bring Oakland Ballet's Crystal Slipper to the Dore Theatre (California State University, Bakersfield campus). The season's final program, a retelling of the immortal story of Cinderella and the Magic Prince in dance, will begin at 8 p.m. Tickets, \$17 for general admission and \$8 for students, may be reserved by calling Nancy Haley at The Dorian Office, (805) 664-2387.

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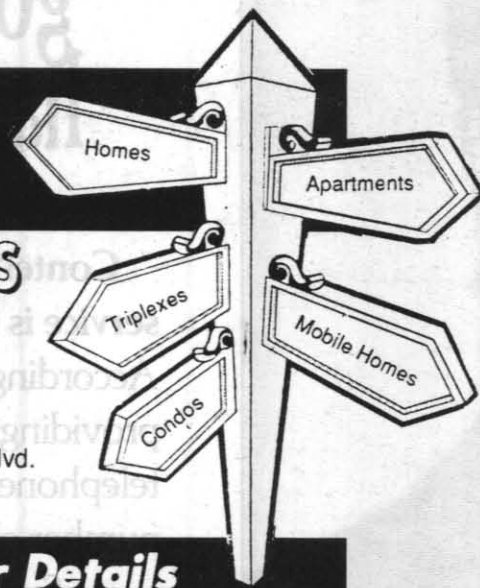
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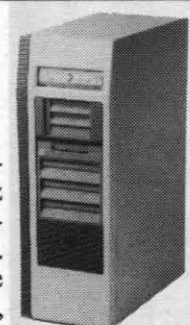
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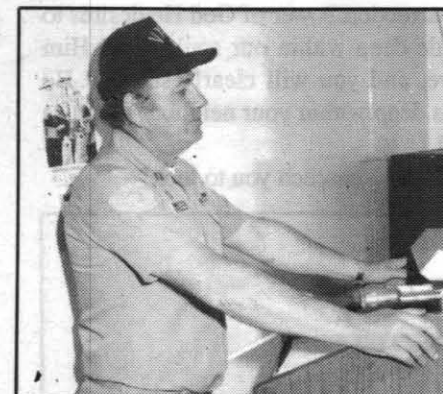
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VX-5 helps Sea Cadets train for upcoming flagship meet

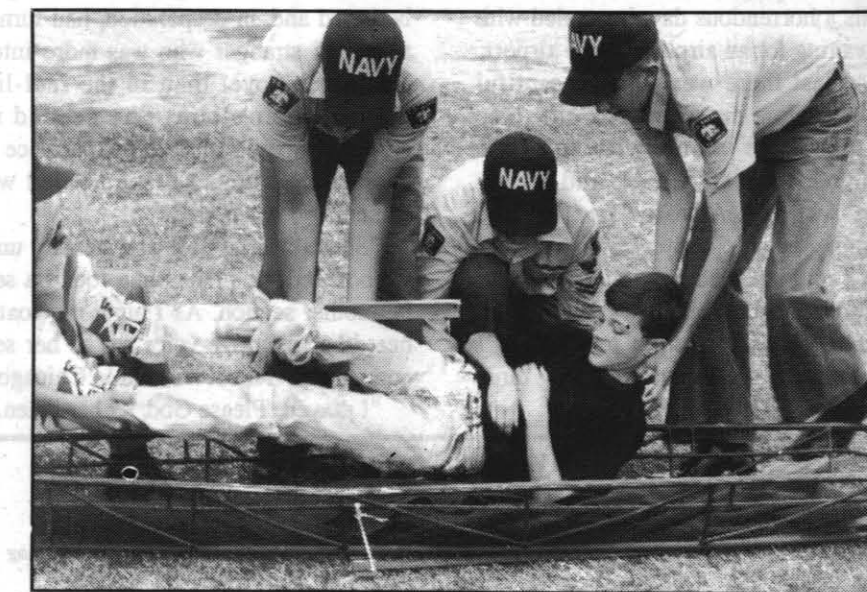


DRUG AND ALCOHOL lecture was given by Lt. Bob Klein, Sea Cadet commanding officer.

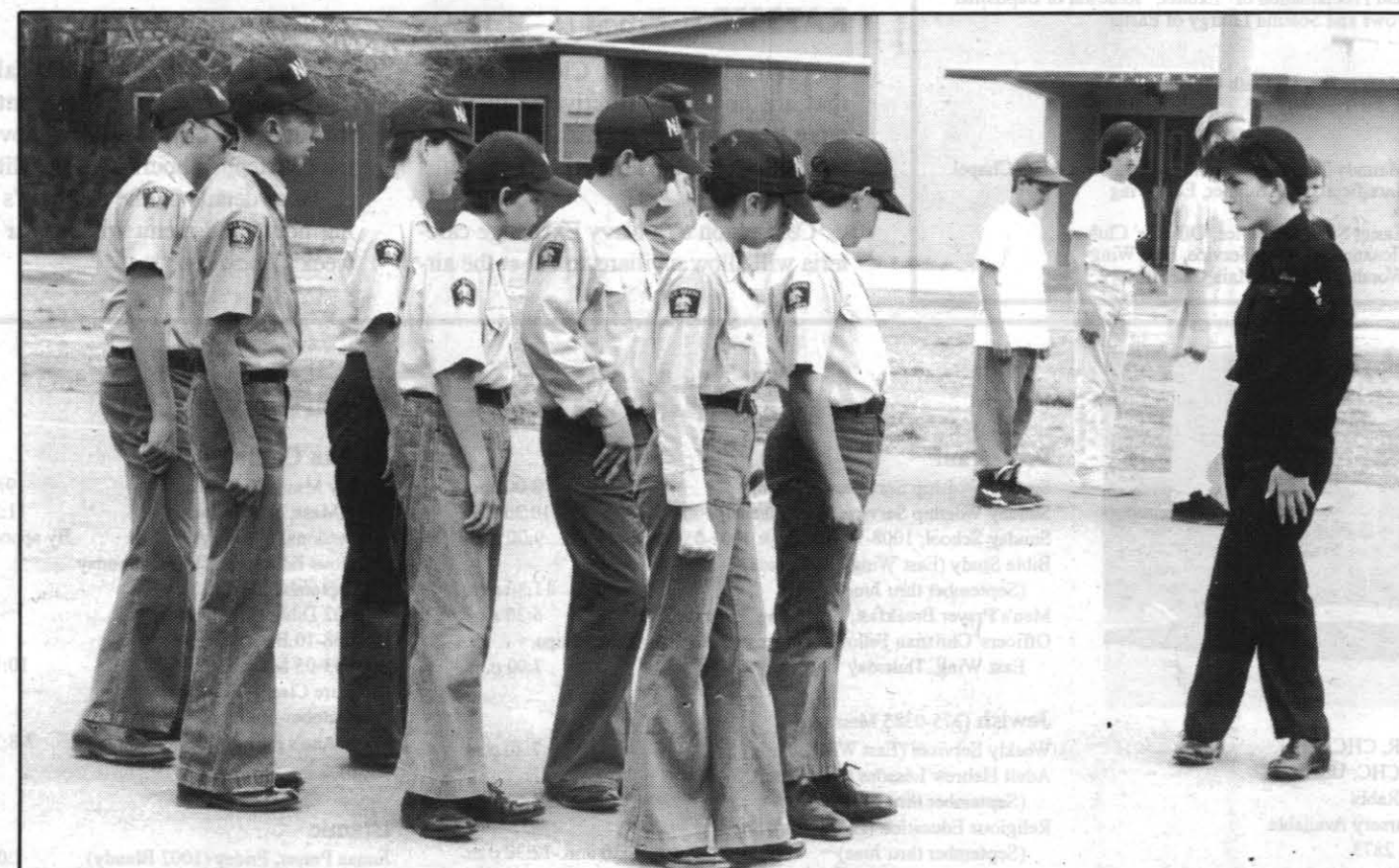
In preparation for regional flagship competition at the Recruit Training Center in San Diego, May 1-3, the U.S. Naval Sea Cadet Squadron, sponsored by Air Test and Evaluation Squadron Five (VSX-5), spent its recent drill weekend brushing up on a variety of skills. The competition will test the cadets' knowledge in such areas as firefighting, first aid, semaphore, knot tying, close order marching, knock down drill and line heaving.

In addition to classroom training and tests from the Basic Military Requirements, Seaman and Petty Officer books, cadets worked on the flightline with VX-5 sailors. The unit has also

CORRESPONDENCE COURSES were corrected by cadet Sarah Barnett and Ens. Rick Booth.



STRETCHER CARRY was one section in first aid training.



FANCY FOOTWORK— DP2 Sioban Gallagher instructed cadets in exhibition drills.

Photos
By PH3 E. G. Bashey

MILITARY NEWS

trained with the Sea Bees and other reserve units at China Lake.

Under the direction of Lt. Robert Klein, United States Naval Sea Cadet Corps, the unit regularly performs color guard duties for events such as the Sea Bee Ball, the Bluejacket of the Year Dinner and opening ceremonies for the Indian Wells Valley Youth Softball program. Organizations needing a color guard may call 446-3030 and leave a name and number.

The non-profit Sea Cadet program, like any such organization, is always looking for assistance. Any individual or group wishing to contribute time, material, equipment or money can call the Sea Cadet Quarterdeck at 446-3030.

Chapel Call

By Lt. Gerald L. Goodman, CHC, USNR
Assistant Command Chaplain



Look for your Lord

What are we looking for? That is the question! On the morning of the first Easter Sunday, Mary Magdalene comes to Jesus' tomb. What is she looking for? Then one of the disciples hurries to the tomb. What is he looking for? He is followed by the Apostle Peter. What is Peter looking for? Two thousand Easter Sundays later, we will gather in Jesus' Name. What are we looking for? That is the question!

In one of her books, Erma Bombeck recalls a horrendous day that ended with her waiting for an airplane in the airport:

"At last there were thirty beautiful minutes before my plane took off—time for me to be alone with my own thoughts, to open a book and let my mind wander. A voice next to me belonging to an elderly woman said, 'I'll bet it's cold in Chicago.'

"Stonefaced I replied, 'It's likely.'

"The elderly woman persisted, 'I haven't been to Chicago in nearly three years. My son lives there.'

"That's nice," I said, my eyes intent on my book.

"Again, the elderly woman spoke, 'My husband's body is on the plane. We've been married for 53 years. I don't drive, you know, and when he died a nun drove me from the hospital. . . The funeral director let me come to the airport with him.'

"I don't think I have ever detested myself more than I did at that moment. Another human being was screaming to be heard and, in desperation, had turned to a cold stranger who was more interested in a novel than in the real-life drama at her elbow. She needed no advice, money, assistance, experience or even compassion. All she needed was someone to listen.

"She talked numbly and steadily until we boarded the plane, then found a seat in another section. As I hung my coat, I heard her plaintive voice say to her seat companion, 'I'll bet it's cold in Chicago.'

"I prayed, 'Please God, let her listen.'"

Why did Mary Magdalene, Peter and the other disciple hasten to the tomb on the first Easter morning? They were desperately looking for their Lord. Why will many of us come together on Easter Sunday? We, too, are looking for the Lord Jesus.

But the question remains, "Are we desperate enough to find Him buried inside those other human beings who are screaming to be heard and aching to discover what they are looking for?" They, like us, are searching for the Lord. And they desperately need us to discover

Jesus in them, so that they may discover Jesus in us.

What are we looking for? We are looking for love, all of us. For God is Love, and through Jesus, Our Lord, every single one of us can find that love.

Look for the Lord. But not in the tomb, for He is not there. The tomb is empty. Our Lord is Risen and by the Resurrection Power of God He desires to reside deep within our souls. Find Him there, and you will clearly see that He lives deep within your neighbor's soul as well.

Look! I beseech you to look!

Passover

By Andrew M. Paley
Student Rabbi

Every spring, Jews in all parts of the world gather to celebrate the "Festival of Unleavened Bread," more commonly known as "Passover." The Passover celebration commemorates the Israelite exodus from Egyptian bondage, as detailed in the book of Exodus, chapter 12. After 400 years of slavery, the Israelites, with Moses as their leader, left Egypt and began their wanderings in the desert for 40 years.

The highlight of the Passover observance is the "Seder" or "Arrangement," meaning the "order" in which the story of the Exodus is recounted and the festival foods are eaten. At this time, the "Haggadah" or "Story of the Passover" is read and the unleavened bread, or "Matzah," is eaten along with other foods which are symbolic of this great event in Israel's history.

For modern Jews, the Passover celebration is a time both of over-whelming joy and of serious contemplation of worldly affairs. Jews, on the one hand, express their happiness with the exodus of the Israelites from Egypt for we are commanded to feel "as if we ourselves had gone forth from Egypt;" likewise we also call to mind that there are people in our world who have never experienced the joy of freedom.

Passover is a constant reminder of the responsibility we have to those people who are oppressed or enslaved physically, intellectually, emotionally or ideologically. We realize that today's methods of social degradation are no less potent methods of depriving human beings of their liberty than the slavery imposed by the ancient Egyptians. The experience of Passover should inspire everyone to assist in the future liberation from whatever bondage people are in and aid in the speedy redemption of humanity.

May all of us share in this season's joyous festivals as we lift our hopes and our spirits to G-d.

RATSSEP from Page 1

cost efficiency review. Closing messes that are not cost-effective is just one more measure the Navy is examining to adjust to defense budget cuts, Cdr. Mills explained.

Conversion to a Navy Exchange cafeteria will allow civilians to eat at the air-

field facility and, since NEX cafeterias' usual operating hours are continuous through the day, the changeover will mean extended hours at the facility.

More details on the cafeteria's operating hours and menu will appear in next week's *Rocketeer*.

All Faith Chapel Services

Protestant

Sunday Worship Service, East Wing 8:00 a.m.
Sunday Worship Service, Main Chapel 10:30 a.m.
Sunday School, 1008-10 Blandy & 1903-05 Mitscher 9:00 a.m.
Bible Study (East Wing), Wednesday (September thru June) 11:30 a.m.
Men's Prayer Breakfast, East Wing, Thursday 6:30 a.m.
Officers' Christian Fellowship/Christian Military Fellowships, East Wing, Thursday 7:00 p.m.

Jewish (375-0385 Messages)

Weekly Services (East Wing), Friday 7:30 p.m.
Adult Hebrew Lessons (East Wing), Saturday (September thru June) 3:00-5:00 p.m.
Religious Education (East Wing), Sunday (September thru June) 9:30 a.m.-12:30 p.m.

Roman Catholic

Sunday Mass, Main Chapel 9:00 a.m.
Daily Mass, Small Chapel 11:35 a.m.
Confessions, Weekdays By appointment
Religious Education Classes, Sunday (September thru May) 10:02 Dobb, 1002 Blandy, 1008-10 Blandy & 1903-05 Mitscher 10:15 a.m.
Scripture Classes, Tuesdays (October-January) St. Ann's Parish Hall 7-8:30 p.m.

Islamic

Jumaa Prayer, Friday (1002 Blandy) 1:00 p.m.

Holy Week Schedule

Catholic

Thursday, April 16
Holy Thursday 7:30 p.m. Mass of the Institution of the Holy Eucharist, Washing of the Feet of the 12 Apostles, Procession with the Eucharist, Reposition and Adoration of the Blessed Sacrament in the Small Chapel

Friday, April 17
Good Friday 5 p.m. Reading of the Passion, Sung Intercessions, Veneration of the Cross and Holy Communion

Saturday, April 18
Easter Vigil 8 p.m. Blessing of Fire and Paschal Candle, Solemn Procession and Proclamation of "Exultet," Renewal of Baptismal vows and Solemn Liturgy of Easter

Protestant

Thursday, April 16 6 p.m. Maundy Thursday Communion Service, Main Chapel
7 p.m. Sacrificial Soup Supper, East Wing

Sunday, April 19 6 a.m. Easter Sunrise Service, Officers' Club
8 a.m. Hosanna Worship Service, East Wing
10:30 a.m. Worship Service, Main Chapel



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Manager issues open invitation for Easter brunch at Seafarer's

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Cost is \$10.95 for adults and \$5.50 for children 12 and under.

Brunch includes eggs, bacon, sausage, waffles, omelettes to order, biscuits and gravy, turkey



According to Garcia, this will be the last Sunday brunch offered at the Seafarer Club until Mother's Day, May 10.

Comedy Night slated April 17

Comedians John Brizarre, David Wood and Elaine Allison will "strut their stuff" during Comedy Night at the Seafarer Club on Friday, April 17.

Cost for the show, which starts at 8 p.m., is \$7 per person when purchased in advance and \$8 per person at the door. Advance tickets can be purchased at the

club during normal business hours.

Because of the adult humor, only people 18 years of age and older will be admitted.

"These comedians have played in Las Vegas, at the Improv in Los Angeles and even in New York," said Fred Garcia, the club manager. "Don't miss out!"

Craftech has Magic Mountain discount tickets

Military Fun Days are being held at Magic Mountain on April 16-19, 25 and 26, and May 2, 3, 9, 10, 16, 17, 22-25.

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personnel, families and friends at the Naval Air Weapons Station China Lake Craftech Center. Ticket price at the gate is \$24.50. There is no charge for children two years of age or younger.

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SPORTS

Civilian team overcomes China Lake Marines during the annual Volkslauf Mud Run at Tustin

Members of the Ordnance Systems Department (Code 32) at China Lake not only met the Marine Aviation Department's Volkslauf Mud Run challenge, they beat it! According to Jerome Kong, a Code 32 runner, the China Lake civilian team came in 73rd out of the 495 teams competing, while the local Marine detachment came in 302.

The Volkslauf Mud Run, an annual event held in March by the Marine Medium Helicopter Squadron 163, Marine Corps Air Station Tustin, consists of water hazards, obstacles and challenging ditches filled with mud.

"It was an interesting race," Kong said through an obviously stuffy nose. "The weather was also fitting. It was cold, rainy and windy."

Civilian China Lakers participating in the event were Kong, Allen Gehris, John Moore, Jim Amarel, Jim Nabity and Richard Lasell. MAD participants were GySgt. Dan Allen, SSgt. Robert Dixon, SSgt. Richard Fiorvanti, Cpl. Steven Richardson, Sgt. Dan Rouse, SSgt. Jim Finegan and, as standby, Sgt. Ken Vandenberg.

Kong and Allen said the race's rules stressed team participation, especially the rule that said at least five of the team members had to cross the finish line at the same time.

"We crossed with only five members," Kong said, "but the sixth one was right behind us."

"One of our runners ended up with muscle cramps," said Allen. "Since it

MAD challenges China Lakers

Marines from the Marine Aviation Detachment challenge fellow Marines and China Lakers to conquer the detachment's fitness challenge set for Saturday, April 18. The "MAD Dash," a 10K run and a 5K walk, starts at 8 a.m. at the junction of McIntire and N. Dibbs Road.

A variety of prizes will be given away during a drawing following the race. All participants will be eligible for the drawing and will receive a "MAD Dash" t-shirt.

The entry fee is \$12. Extra t-shirts will be available for only \$7 each.

was a team race, we decided to help him along and we all crossed together. That's what a team is for."

Teamwork was also necessary for the participants to successfully negotiate the obstacles they had to overcome to complete the race, Kong and Allen said.

Allen noted runners had to get over a five-foot wall and jump into and climb out of at least three 10- to 12-foot-deep ditches mid-thigh deep in mud.

"The mud was like swamp mud," Allen said. "It was real slimy and sticky. In addition, we needed to aid each other when we climbed the ropes getting out of the ditches."

One of the first things the runners learned was not to jump into the ditches. "I jumped into the Rambo Death Ditch,"

Kong said. "As soon as I did it, I thought to myself, 'Boy, I shouldn't have done that.' The mud went up to my chest."

Allen laughed and said it didn't take them long to learn to slide into the ditches, as jumping into them only made them sink farther into the mud.

Will they do it again? You bet, they said. "Next time we'll do better," Allen said. "We know where the hang ups are now and can plan a strategy."

"We hope to have two teams going next year," Kong said.

According to Capt. Workman, the Tustin Marine officer in charge of tabulating the results, the event raised \$13,700 for the Orangewood Children's Foundation.

VX-5's Mark Varney earns award

Lieutenant Marc D. Varney's nomination for the Commander, Strike Fighter Wing, U.S. Pacific Fleet and greater Kings County Navy League Admiral Wesley L. McDonald Leadership Award led to the March 25 presentation of a gold star in lieu of a second Navy Achievement Medal. He represented Air Test and Evaluation Squadron Five.

The citation by RAdm. B.J. Smith, commander, Strike Fighter Wing, notes Varney, who served as a VX-5 operational test director during all of 1991, displayed exceptional leadership, professional performance and integrity in fos-

tering high morale and esprit de corps by significantly improving the war fighting capabilities of VX-5.



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Printed Wiring Board Shop lives continuous improvement

Hidden in the maze of corridors in the Engineering Laboratory is a group of people living the philosophy of continuous improvement. The Printed Wiring Board (PWB) Shop (Code 36813) has changed processes and is looking for more ways to improve.

The PWB shop provides an important function to the fleet. According to Ray Stewart, the section leader, "We make a variety of printed wiring boards for electronic applications, such as fuses, electronic assemblies, and missile packages. We also perform prototype development as well as manufacture small quantities of circuit boards. These boards are useful because, without them, programs can not build prototypes, design changes, or do functional testing."

Waste-water treatment

One of the PWB Shop's improvements is a new waste-water treatment system that purifies and reuses the rinse water used to fabricate PWBs. This system removes toxic organic compounds, particulate material and metal ions from the process rinse water. The contaminant-free water is then returned, via closed loop, to the rinse tanks for reuse. This conserves approximately 2600 gallons of water per hour during processing.

Not only does the system save water, it has eliminated the need for the PWB shop to discharge any water into the industrial sewer system (ISS). In September, 1991, the Lahontan Regional Water Quality Control Board issued a cease and desist order for the Station's industrial sewer system and the Michelson Laboratory industrial waste ponds. Responding to the order, the Environmental Project Office began investigating discharge sources, advising them of the need to treat waste water for disposal in the domestic sewer or for reuse.

One of three major users of the ISS, along with the

Michelson Lab Plating Shop and the photographic lab wing, the PWB shop was the first to stop discharging into the ISS. Other measures are being taken to discontinue use of the ISS and waste pond.

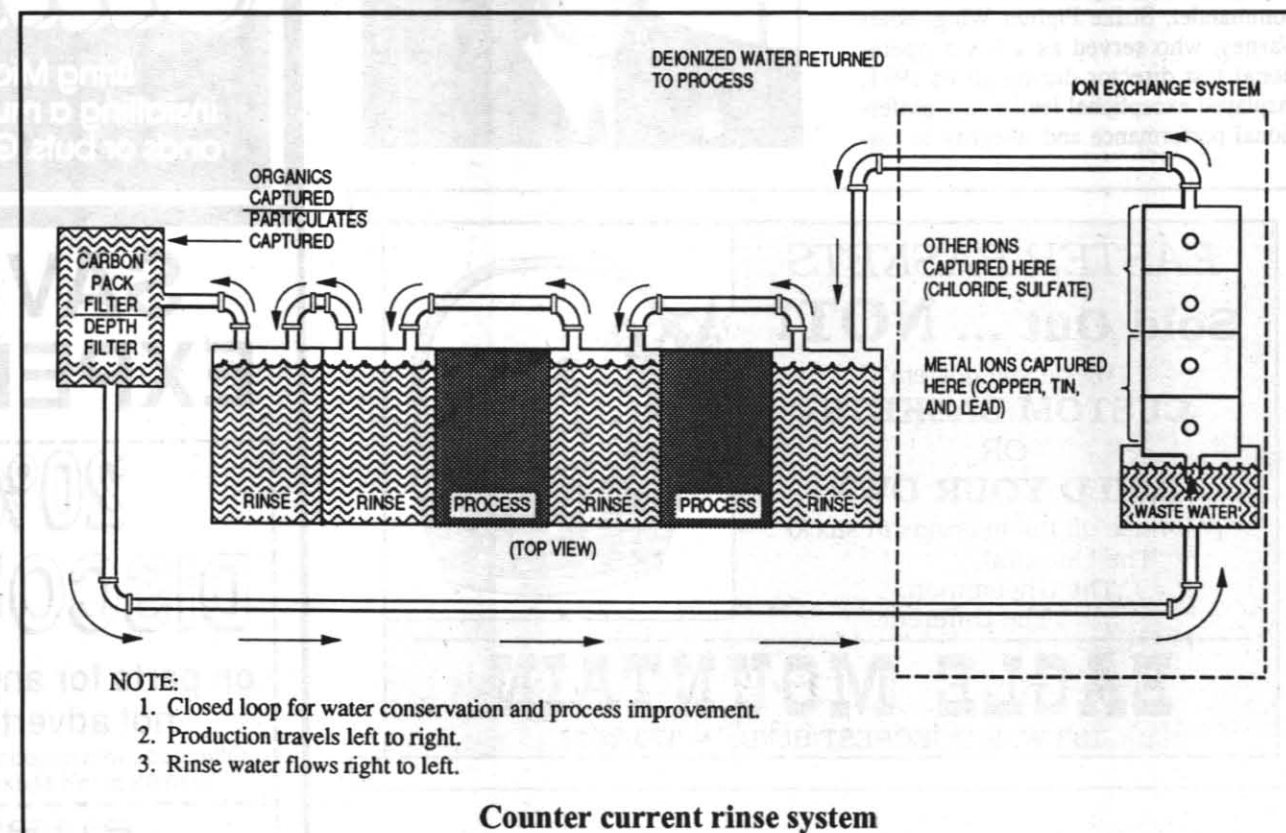
In general terms, the PWB shop is using a closed-loop counter current rinse process to run the rinse water against the production flow. When the water reaches the last tank it is processed through a carbon pack/depth filter to remove the toxic organic compounds and particu-

lates five millionths of an inch and larger.

From carbon pack filtration, ion bearing water is run into the ion exchange system where metal and other ions are captured in resin filled canisters, and pure deionized water is returned to the process. (See illustrations.)

When the resin is saturated with ions, the canisters are physically transferred to a regeneration system for recovery of the metal ions. This is accomplished by

Please see **PWB SHOP**, next page



CHILD CARE from Page 18

and two in the evening, and because the parents pick them up at various times, we don't have the time to get them organized into different activities by age. So we offer a lot of different activities and let the children choose what they feel comfortable doing."

According to the children, there is always something to do.

"I'd rather be here than at home with my parents," said 9-year-old Kevin Finch. "There are lots of things to do here. It's kind of boring staying at home. There's not enough to do."

Ten-year-old Angel Starlin agreed, saying, "We can do stuff here."

With children running in all directions, and only seven or eight instructors to keep tabs on them, things can get pretty hectic, admits Craig and Gonzales. It is our responsibility to keep on top of things and constantly be on the lookout for anything that might not be in the best interest of their charges, Gonzales explained.

Afternoon activities are a little easier to handle since kindergarten students go to another building, separating them from the older children. "There is a big difference in development maturity between kindergartners and first graders, and their activities have to reflect that," Gilmartin explained. "This way, kindergartners aren't pushed into something they aren't ready for."

"They are used to being around kids and know how we feel. This makes them easier to talk to than our parents."

— Meagan Conway
10 years old

Homework also keeps some of the children busy in the afternoon, and the instructors are there to help them. However, helping the children with their homework is not the same thing as doing it for them.

"I get a few that wait until just before school starts that suddenly remember they have homework," Gilmartin said. "They get impatient with me because I won't give them the answers and then I get impatient with them because they didn't do it sooner. They don't realize I am not so far removed from their age that I don't know what their excuse is. They want to go home and play and do their thing. I was there, too. In fact, I'm still there. I'm in college and I still don't like to do my homework."

Craig said the most rewarding aspect of working at the Youth Center is being a positive role model for children and seeing their smiling faces. "What is really cute is when they forget and accidentally call me mom," she said. "I also enjoy those great big bear hugs. When a child comes up and gives me a bear hug, I know they are feeling comfortable and secure with me."

"The most rewarding aspect for me is being accepted by a certain child," Gilmartin said. "Knowing they can come and talk to me and accept me not only as a child care provider but as a friend and person makes it worthwhile."

Being able to communicate is important to children, too. Eleven-year-old Shauntay Zigler enjoys talking to the instructors, especially if she is having problems with boyfriends. "They listen," she said. "They don't tell us what to do, but give us ideas on what we can do."

"They are used to being around kids and know how we feel," 10-year-old Meagan Conway said. "This makes them easier to talk to than our parents."

"Some adults don't take the time to listen to a child

"We all have the Peter Pan syndrome. We will never grow up."

— Collette Craig
Instructor

because they don't feel the problem is important enough," Gilmartin explained. "Adults have to realize that a problem to a child can mean the end of the world to them, even though it may seem trivial to us. We have to stop and listen to them."

Being able to communicate with the parents is another important aspect of their job, said James Morrison. A Youth Center instructor for the past five years, Morrison said the knows most of the parents, which makes it easier to talk to the new ones. "I've discovered parents don't get upset if you keep giving them heads ups," he said. "It's their kid. Parents want to know what is going on. If there is a problem, they want to know about it. We need to work together for the benefit of the children."

Morrison's biggest reward working with children is being able to relive his childhood. "If they (the children) are playing in the mud, I'll take my shoes and socks off and jump in there with them."

"We all have the Peter Pan syndrome," Craig said laughingly. "We will never grow up."

That's fine with Matthew, Rachel and Rianna Wooley. Putting it simply, 6-year-old Rianna said, "They play with us."

The China Lake Youth Center is also used as a recreational facility. In addition to open skating on Saturdays and Sundays, the facility can be rented for skate parties and birthday parties.

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Month of the child

Youth programs give parents another choice

By Peggy Shoaf
Staff Writer

Programs at China Lake's Morale, Welfare & Recreation Department's Youth Center provide parents with an alternative to babysitters and latch key kids, said Tami Stephens. The Kinderrooz and Movin' On Up programs provide before and after school care to children between 5 and 12 years of age, the Movin' On Up supervisor said. The programs also provide care on normal workdays when school is not in session, such as summer vacation.

According to Collette Craig, Bill Gilmartin, Leslie Gonzales and James Morrison, four of the programs' instructors, love for children, the capacity to understand how they think and patience are some of the requirements needed to deal effectively with their young charges.

Young themselves, the instructors feel it is important to not only provide for the children's safety, but for their physical and emotional needs as well. This means thinking of activities that are safe, challenging and still within the realm of the children's capabilities, helping build their self-esteem and self-confidence.

Visitors entering the China Lake

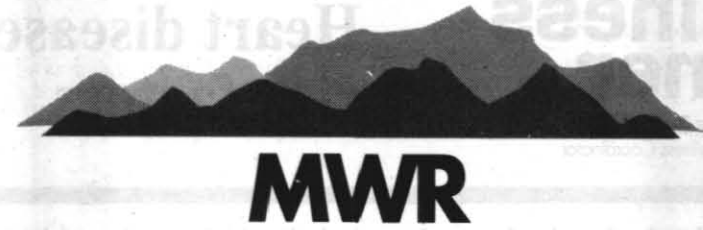
Youth Center are met with organized chaos as children skate, play kick ball, video games, or a variety of other activities.

"That's where the challenge of our job comes in," said

Gilmartin. "At the Children's Centers, they have set classes for each of the age groups. Here it is more difficult. Because we only have the children four hours a day, two hours in the morning

Please see **CHILD CARE**, next page

Love and patience are important requirements in dealing effectively with children.



CHILDREN in the Kinderrooz and the Movin' On Up programs enjoy listening as James Morrison reads them a story before its time to go to school.

PWB SHOP from Page 6

"washing" the resins with a dilute acid solution that frees the metal ions from the resin. The ion bearing acid is then pumped into an electrolytic recovery cell for reduction to the metallic state. The metal-free acid is cycled back into the system for reuse. The recovered metals are sent out for reclamation and the credit received helps offset operational costs of the PWB shop.

The cannisters containing other ions (chlorides and sulfates) are similarly washed, but with a dilute alkaline solution that is later neutralized for environmentally safe discharge to the domestic sewer system.

Elimination of CFCs

Another effort being pursued is experimentation with cleaning substances to replace solvents containing chlorofluorocarbons (CFCs). The presence of CFCs in sol-

vents has been a major concern to Code 36813 for years. Rosin-based fluxes are a government-required ingredient in cleaning the boards. These fluxes require extremely strong cleaning solvents containing CFCs.

Even prior to the president's call for elimination of CFCs by 1995, the shop, working with product assurance personnel and contractors, was experimenting in ways to remove CFCs from their cleaning process. Their approach involves concurrent engineering and testing of water-soluble/no-clean fluxes to remove CFCs as cleaning agents. Initial experiments have produced very promising results.

The criteria they apply to substances under investigation are environmental safety, cost effectiveness and equipment compatibility. When experiments are

completed and the substances proven environmentally safe, the results must be run through the government approval cycle.

Internal processes

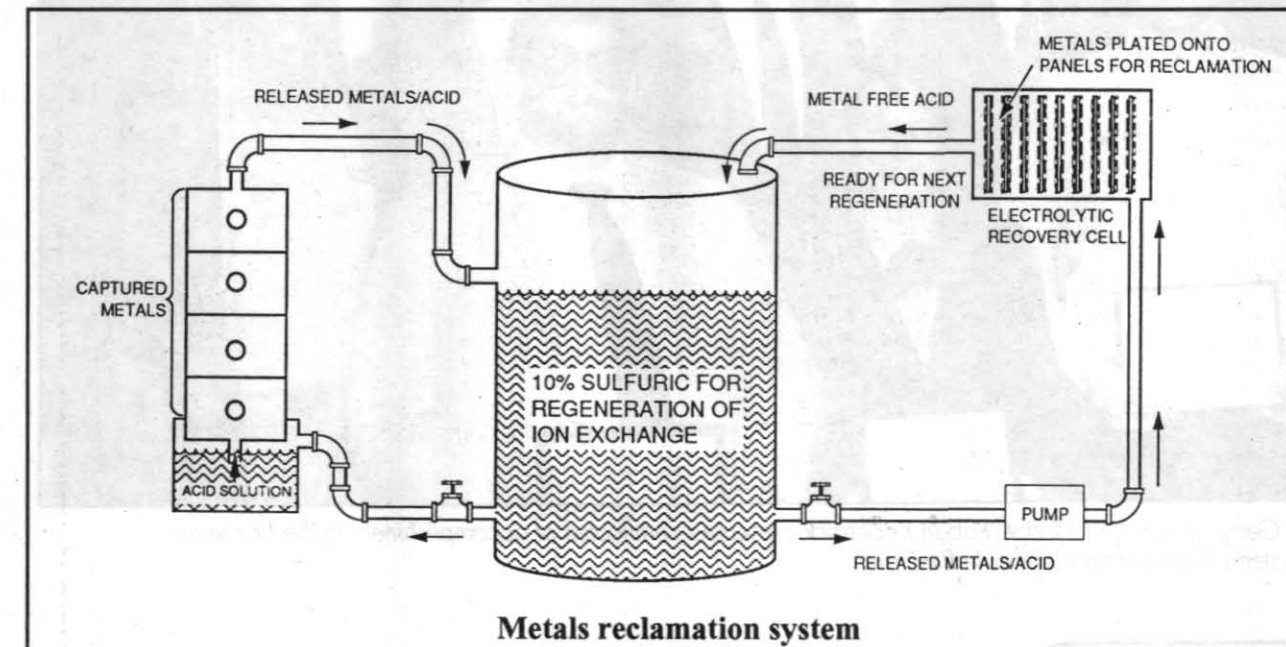
The shop is also using statistical control to streamline their processes. Stewart said, "In this day of reduced budgets, we realize that every dollar counts. So we developed a plan to remove the guess work from the rates by doing a real-time study. While doing this study, we discovered a way to combine multiple processes, and cut our production time in half. This allowed us to cut the fat from the processes and make better use of our time and manpower."

Developing improved statistical process controls meant rewriting procedures to include step-by-step inspections. The "in-process inspection process" ensures each production step is inspected for errors prior to advancing to the next step. This process reduces rework, material and time and thus, cost.

One-stop plaque shop

Another improvement added to the shop is speciality awards. They have set up a one-stop shop for plaques. "One-stop" means customers don't have to have finished, camera ready artwork. They can now bring their rough ideas and the shop will arrange to have the artwork done, then follow it through to the completed plaque. This improvement has reduced the price of plaques and increased customer satisfaction.

The PWB Shop is looking to the future by planning to purchase new equipment that will better serve the Naval Air Warfare Center Weapons Division's mission. As Ray Stewart, put it, "Our goals are to work one-on-one with customers, to meet their schedules and to give them the quality they need and deserve."



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First seven graduates win systems engineering certificates

Seven men and women became the first recipients of Systems Engineering Certificates from the Naval Air Warfare Center Weapons Division recently. Gerry Schiefer, head of the Aircraft Weapons Systems Integration Directorate, and Capt. Robert Kapernick, associate head of the Weapons Directorate, presented the certificates on behalf of Bill Porter, deputy commander for research and development.

Schiefer noted the program to give people specialized systems engineering training began at the former Naval Weapons Center in 1988. The program developed as a complement to the technical managers certificate program already in existence and because there was no solid systems engineering curriculum in the government or at colleges and universities.

The first seven people at the NAWC Weapons Division China Lake site to earn their certificates were Derrell Bebee of Code 3951, Joseph Chan of Code 3911, Peggy Chun of Code 327S, Kent Edwards of Code 35E, Margaret McMahon of Code 31D, Mark Pauls of Code 64421 and Bradley Weich of Code 3273.

To earn this recognition, each completed more than 400 hours of classroom

instruction, passed comprehensive exams and completed a final project. Classes covered the government acquisition process and management skills in

addition to various systems engineering disciplines.

Schiefer said of the graduates, "Their discipline and perseverance toward this

training goal is commendable; it required considerable coordination with busy work schedules over the last few years."



FIRST GRADS—Gerry Schiefer and Capt. Robert Kapernick presented certificates of accomplishment to the first seven graduates of the Systems Engineering Certificate Program.

Wellness Corner

By Betty Miller
Wellness Coordinator

Heart disease risk factors

In the last decade, there has been a dramatic decline in the number of deaths from heart attacks. In 1970, nearly a million Americans died of heart attacks; now the annual toll is about 600,000. The causes for this lowered mortality rate are unknown, but most experts believe that increased awareness of cardiovascular risk factors and their correction have played an important role in cutting the death toll.

Eventually, about half of all Americans develop some form of heart disease. The most common is atherosclerosis, a hardening of the arteries caused by a buildup of fatty deposits along the vessel lining. This is a slow process that usually takes many years to develop into a serious disease. If coronary arteries, which supply blood to the heart, are severely blocked by fatty deposits, warning symptoms of heart disease may appear.

These include chest pains (angina pectoris) that are relieved by rest, shortness of breath or a combination of the two. In many people, however, there are no warning signs—the first symptom of heart disease may be a heart attack. This is why it is important to identify and correct possible risk factors before they reach this stage.

In recent years, a number of these risk factors have been identified. Some, such as age, sex, and family history of heart disease, are ones over which we have no control.

There are also a number of factors that can be modified or eliminated, which appears to reduce the probability of a heart attack. The three most important controllable risk factors are high levels of both blood pressure and blood cholesterol and cigarette smoking. In fact, many experts attribute the recent decline in cardiovascular deaths to the fact that more people are now being treated for high blood pressure.

It is important to eliminate or modify all controllable risk factors because the likelihood of developing heart disease increases when two or more risk factors are present. By reducing controllable risk factors, it is possible to minimize the potential danger of factors, such as sex or family history, over which we have no control.

MOWC plans May 1 art auction

Members of the Military Officers Wives Club are sponsoring an art auction on May 1 at the Seafarer Club. Doors open at 7 p.m.; the auction is at 8 p.m.

The \$5 entry fee gives guests the opportunity to view the art exhibit by Genesis Galleries, a complimentary glass of wine or soft drink, light hors d'oeuvres and a chance to win one of the many door prizes being given away every hour. Art will be available from \$35 to several thousand dollars. Genesis Extended Payment Plan is available on

purchases of \$500 or more, with no interest. All art is unconditionally guaranteed by Genesis Galleries. Work by the masters is represented in lithographs, serigraphs, original oils, watercolors, mixed media, etchings and engravings.

Prior to the exhibit, the public is invited to the Seafarer Club for a roast beef or chicken dinner. Cost is \$7.50 per person. Because seating is limited, reservations are recommended. Tickets for either event are available at the Seafarer Club and Craftech.

CSUN advisor visits China Lake on April 27

Professor Bonnie Campbell of California State University, Northridge (CSUN) will be on Center April 27 to advise current and prospective students in the master's degree programs in

applied mechanics and systems engineering offered by the school. Those wanting an appointment to see Professor Campbell should call Denise at 939-2648.

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Compu Chatter

By Donna Hanson

New generations of viruses pose threat in the future through stealth technology

Promotional pricing for the SPARC Workstation will be in effect through May 15. This is CLIN 0003 with 32MB of memory instead of 16MB and a 424 MB Internal Disk instead of 207MB. The regular price for CLIN 0003 is \$10,997, the promotional price is \$9,999. Contact Tiana Gaugh at 939-3396.

Stealth Viruses

The new generation of viruses will be doing the most damage in years ahead. Stealth viruses are designed to hide from detection by fooling scan programs into thinking the original file is intact. Some may even disinfect themselves when software looks for them, like the 4096 (or Frodo) virus.

The polymorphic virus is another interesting style; it is encrypted and changes its encryption key itself each time it executes. This means it never looks the same twice, so there's nothing to scan for.

Even worse are the multipartite viruses. They work by changing the partition table to create a pointer that is addressed before any program is exe-

cuted. The pointer sends the computer to some "empty clusters" on the hard disk, where the virus code resides. The virus is unleashed, and the program jumps back to the partition table to execute the program originally requested.

There are estimated to be about 100 lethal viruses. These new viruses that use more sophisticated anti-detection techniques are on the increase.

The VIRT team is keeping abreast of this serious virus threat and will be furnishing the latest virus detection software to Naval Air Warfare Center Weapons Division computer users from the PC Lab. At this time we are unable to distribute McAfee products since the DON site license is under re-negotiation and cannot be used until further notice, according to Code 2408. The VIRT does, however, own virus detection software that can be used to check PCs, and we still distribute Disinfectant 2.7.1 for the Macintosh. An announcement will follow when the site license with McAfee or another company is settled. Take precautions when accepting floppy disks or downloading files.

Housing says: Prepare for summer

Housing says... evaporative coolers should now be operational. Residents who feel their coolers are not working should call the Trouble Desk at 939-2380.

To help the coolers operate at their peak efficiency, a window in each room should be left open one to two inches, enabling cool air to circulate through the house.

To help conserve energy, residents are urged to set the thermostats no lower than 78 degrees, and if planning to be gone longer than 48 hours, residents should set their thermostats at 85 degrees.

There are times during the summer when temperatures are high, as well as

the humidity. During these times, it may feel like the cooler isn't working. Table fans may make the rooms more comfortable.

Residents are reminded that during hot weather they should water their lawns only in the early morning or evenings. Watering at these times help to minimize evaporation. For best results, residents should water slowly and avoid watering during high winds. Lawns and gardens should be completely wet in 20 to 30 minutes, and residents are urged not to overwater, as it causes heavy runoff and doesn't benefit the lawn.

Members of the Housing staff thank all residents for their efforts in conserving water and utilities.

ITEA dinner reservations deadline tomorrow

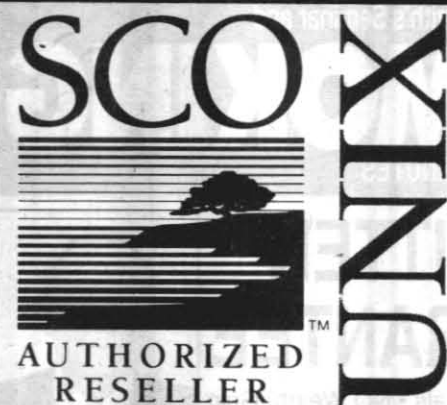
Reservations for next Tuesday's (April 21) dinner meeting of the China Lake Chapter of the International Test and Evaluation Association (ITEA) are due by 10 a.m. tomorrow, April 17. Following dinner at 6:30 p.m., at the Carriage Inn, U.S. Air Force Test Pilot School Comandant, Col. Guy Gardner, a

former astronaut, will give a presentation that includes a film on the space shuttle.

ITEA members, spouses and the public are all invited. For the required advance reservations call Bob Sizemore at 446-9263 or Linda Cameron at 446-9431.

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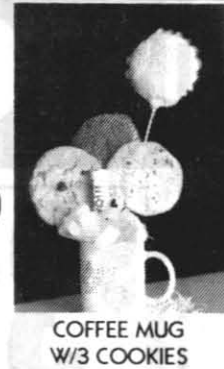
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Ideas Column

By Bruce MacIntosh
IDEAS Office

A good year for IDEAS

April marks the first anniversary of the IDEAS Office. Since we started IDEAS last April we have received 380 submissions. Congratulations China Lake, that is about double the number of suggestions received in past years by the Model Installation Program and Beneficial Suggestion combined!

Ninety-five of those IDEAS were implemented and another 150 were resolved by information the originator received from the action code. We are currently working on 70, so that means that about 80 percent of the IDEAS you send in get adopted or are resolved in some other manner.

Just about every code has participated in the IDEAS process through employee submissions or by reviewing IDEAS as the action code. As far as approving and adopting good IDEAS, Codes 22 and 24 are the champs. Code 22 adopted 15 IDEAS and 24 adopted 14. Our hats off to those departments for all their help in getting those many good IDEAS implemented quickly!

Clearly, good IDEAS are a year-round activity. So keep the IDEAS coming in and let's see if we can't make 1992-93 another record breaker for all those things that make China Lake the innovative place it's always been.

Remember, there are lots of ways to submit your good IDEAS - it's easy. You can use the famous IDEAS form - or - use a plain piece of paper and send it to: IDEAS Office, Code 055. You can send your IDEA by "E" mail on the VAX at SCF::IDEAS - or - you can send your IDEA on QuickMail addressed to IDEAS. Also, the IDEAS form has been put on FileMaker 4 by Code 2151 and you can get a copy by simply requesting the form and sending them a floppy disk. So submitting an IDEA is easy, just use any one of the above and send it to us! We'll take it from there.

Also, if your IDEA has already been implemented - You can send it in so we can record it and tell other people about it too. Often some of the best IDEAS are the ones people think up about their own jobs or work areas. These are usually the product of some good practical problem solving and are also usually implemented on the spot. Why not get some credit for your good IDEA and maybe even help someone else out who is struggling with the same problem? Send it in!! We will see that you are recognized for your IDEA and also give

it some publicity in this column.

If you have a question or need any information about the IDEAS process, talk to your advocate or call us, we'd be glad to talk with you too.

You can reach Bruce MacIntosh or Melanie Truesdale in the IDEAS office at 939-2311, or E mail - SCF::IDEAS, or QuickMail - "IDEAS"

Some of the latest IDEAS to come through the door are:

No. 385, PSA Screening through Blood Draw, Odessa Newman-Staples, Code 2832, wants to have prostate cancer screened by a PSA test through the Wellness Blood Draw. (Betty Miller is looking into this. There are some logistic problems plus cost issues.)

No. 386, Consolidate Computer Technical Plans/Budgets, Paul Baczkiewicz, Code 191, suggests the FIP's, IT Budget and A-II Budget be linked.

No. 387, ADP Justifications, Geri Henderson, Code 26, suggests one document be created to complete all requirements of the FIPS, IT Budget and A-II Budget.

CLWISE offers two guest speakers during April 29 lunch session

Kathy Cummings and Alice Campbell are the guest speakers during China Lake Women in Science and Engineering lunch meeting set for April 29 at the Carriage Inn from 11:30 a.m. to 1 p.m.

Cummings, a system engineer from the Electronic Combat Range Department's Data Division, will discuss electronic combat testing. Campbell, a mathematician/consultant for the Aircraft Weapons Integration Department's Targeting Division, will conduct a discussion on "Career Bloopers—Lessons Learned and Solutions."

Reservations, which are required, may be made by sending a check for \$6.50 to Mary Ellen Adams, Code 3112, by April 24, or by calling Adams at 939-5025.

CFC deadline looms for local agencies

Applications from voluntary agencies for Combined Federal Campaign eligibility are now being accepted.

Call the United Way of IWV office at 446-6525 to obtain an application. Applications may be mailed to United Way of IWV, P. O. Box 850, Ridgecrest 93556. Deadline is April 30.

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Secretaries: They fill vital needs in many ways

By Peggy Shoaf
Staff Writer

(Editor's note: China Lake secretaries will be honored during Secretaries Week, April 20-24. For the next few weeks, The Rocketeer will cover the stories of nine of these secretaries. Each was nominated by her immediate-level supervisor.)

Employed as a China Lake secretary for three years, Andrea Schut has never worked onboard the Naval base. As the Contract Support Office (Code 31B) secretary, Schut's office is located in the Boeing building at 1550 N. Norma.

"This provides a unique working environment," said Joanne Grigger, Schut's immediate-level secretarial supervisor. "She has a different type of job than the average secretary. Working in the COTR (contract officer technical representative) office creates a whole set of different problems she has to deal with."

Schut doesn't think her job is that different from those of other secretaries, but admits she doesn't do a lot of travel orders or other forms that are commonly handled by China Lake secretaries. She deals mainly with contractors and is

responsible for entering information on two data bases.

"We have a contract with Boeing to provide computer support and this generates a lot of delivery orders," Schut said. "We handle between 150 to 180 delivery orders a year and the data bases

work, such as accreditation and plant account, for the computers in codes 31B, 31B1 and 31B2 and supervises the secretary in Code 31B1. She also provides secretarial support to Code 31B2 when they need it.

"I don't mind helping," she said. "If they have trouble, I help. It doesn't even matter if they are in my code or not."

Sharon Irving, the contract officer technical representative and Schut's boss, feels her secretary is an integral part of the office. "She is very good at meeting people and presenting that positive first impression," Irving said. "I don't know what I would do without her."

Janie McLaury's job as secretary to the F/A-18 Program Office is more con-

ventional than Schut's, but still different from many secretarial positions at China Lake.

She deals with contractors, both local and others; sponsors from Washington, D.C.; and with personnel from the other branches that support the F/A-18 pro-



Andrea Schut

gram (mostly people in the Aircraft Weapons Integration Department).

Not only does she supervise the secretary supporting the program's deputy program manager, who is a contractor, and the Foreign Military Section (FMS) secretary, McLaury handles the paperwork for the 34 people in her office.

This means not only does she have to be proficient in handling travel orders for the 24 civilians, but also with travel orders for the eight military personnel. "Doing travel requests for military personnel is a lot different than the civilian ones," she said. "We cut the request, get it signed off and then take it to Military Admin, where they cut the orders. We then pick the orders up, have the department head sign them and then return them to Military Admin."

She is also responsible for making all the transportation, hotel and car rental reservations, for military and civilian alike.

McLaury admits things can get hectic when sponsors come in from Washington, as they have to notify Protocol, put in a request for needed badges and a hundred other little details. "It's like we thrive on chaos," she said. "If it isn't

Please see **SECRETARY**, next page

CRDA from Page 14

who work with nondeterministic systems," he continued.

And what of the California Zephyr? Gillespie is a train buff, which is not surprising considering his background. His grandfather was a vice president of the Frisco Railroad. As a child in the late 1940s, Dan occasionally got to ride in his grandfather's private railroad car, which was complete with stewards and a cook. As an adult, Gillespie continued his interest in railroading, and is an avid collector of model trains. For the cover of his book he proposed using a unique typeface created for the classic "Zephyr" streamliner passenger trains which operated from 1934 to 1970. The most famous of these was the luxurious California Zephyr. With the help of TID's June Deatherage and Academic Press's Elizabeth Tustian, a cover was created that emulated not only the typeface but also the sleek art deco style embodied in the Zephyr's design.

When asked who else helped in getting his book written and published, Gillespie was quick to name his co-workers Warren Willman, Charles Kenney, Jorge Martin, William Alltop, and Gary Hower, who gave occasional technical advice, and Christina Wipf, his principal contact at Academic Press. He also gives much credit to his supervisor, Ron Derr, and other members of the NAWCWPNS management team "for their genuinely supportive attitude toward basic research at China Lake."

But Gillespie reserves the highest praise for his wife, Carol, a mathematician in the Electronic Warfare Department. She spent many evenings and weekends at her home computer carrying out the extensive numerical computations required for the book. As Gillespie notes in the conclusion of his acknowledgements, "The benefit of her help and emotional support to me in writing

this book is beyond quantifying, and so is my gratitude to her."

Dan Gillespie considers the creation and publication of "Markov Processes" as the most challenging and satisfying accomplishment of his professional career. The book also represents a major step forward in developing agreements between government and industry that can benefit both the Navy and the private sector. Finally, in "Markov Processes," Gillespie has created a text/reference book he thinks will help scientists throughout the world make more efficient use of advanced mathematics in their research.

What's next for Gillespie? "Maybe TV," he says. "I'm thinking about a show for the A&E network called 'An Evening at the Markov.'" He laughs. But given Gillespie's record of accomplishment, you might want to check the TV listings.

Military personnel numbers show largest decrease since end of the Vietnam War

Not since the end of the Vietnam War (July 1972 to June 1973) has there been a decrease in active duty personnel as large as that announced for the 12-month period ending Jan. 31, 1992. Total strength of U.S. Armed Forces on that date was 1,935,660—a decrease of 113,227 from Jan. 31, 1991.

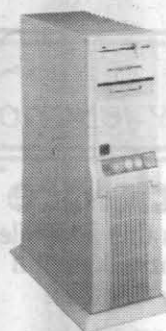
The figures represent full-time military personnel comprising both regulars and reserves on active-duty and officer candidates including cadets at the three military academies.

Excluded from these figures are

approximately 70,250 full-time military personnel who are paid from other than active duty military personnel appropriations. This group is funded from appropriations for reserve components and Corps of Engineer civil functions. A comparable figure for FY91 was approximately 74,250.

Active-duty military personnel strength data does not include ready reserve strengths.

The FY92 Navy strength is 557,781—down from 576,961 in FY91.

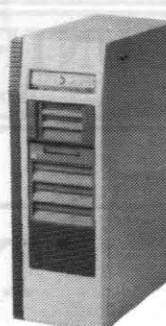


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GILLESPIE from Page 1

reader must have a working knowledge of ordinary calculus, but no prior knowledge of random variable theory is required because the book begins with a "pragmatic scientist's" introduction to that traditionally daunting subject.

The form of Gillespie's work was almost as great a challenge as the substance. Much of the material in the book is presented in equations and graphs, and to construct these on the page was a complicated and exacting task. Using his Xerox 6085 word processor, Gillespie wrote, revised and fine-tuned the manuscript. Help in formatting the final camera-ready version came from Debbie Ayers of Xerox Corp. The number-based graphs in the book were produced on a VAX 8600 computer using sophisticated CA-DISSPLA software. Claire McGraedy, then with China Lake's Information Systems Group, lent assistance in that area. The value of all these efforts is apparent in the easy flow of the finished document. Text, equations and figures have been carefully rendered and displayed for maximum readability.

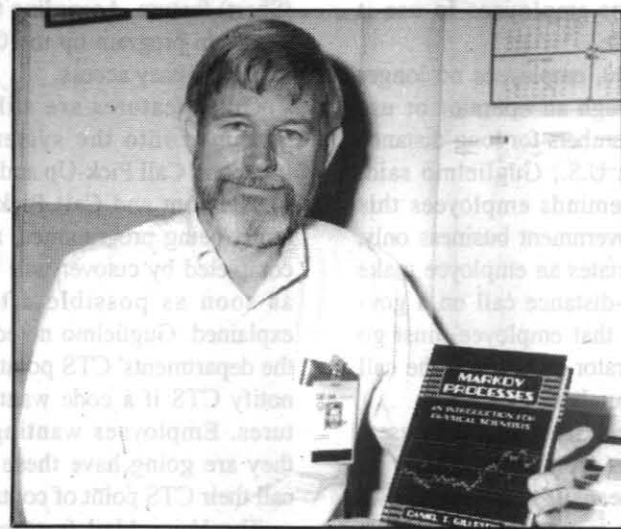
"Markov Processes" is not Gillespie's first foray into publishing. He wrote a short physics textbook, "A Quantum Mechanics Primer," which was published in 1970, several years before he came to China Lake. (The book was subsequently translated into Spanish, and Gillespie keeps a copy of the Spanish version in his office, although he confesses he can't read it.) Publishing his new book, however, proved to be more complicated than the first.

Two well-known technical book publishers heard about Gillespie's work-in-progress and independently contacted him in 1989 and 1990. "The first publisher eventually turned me down, but the second one, Academic Press, showed more enlightened interest," he said, "especially after I pointed out to them that China Lake is

very close to Hollywood, so I could also do the screenplay for the book."

Academic Press, a subsidiary of Harcourt-Brace-Jovanovich, had just made a decision to publish the book when a major personnel shakeup at Academic's Boston office moved the whole process back to square one. Once that problem got sorted out, another more serious complication had to be faced: work performed by government employees on government time cannot be copyrighted. "So when Academic finally called, offering me their usual copyright/royalty contract, I had to tell them that I couldn't give them a copyright and they couldn't give me any royalties!"

Enter Harvey Gilbert, a patent attorney, and Elaine Wunderlich, head of the Commercial Applications and



CRDA FIRST—Dan Gillespie with his book "Markov Processes, An Introduction for Physical Scientists."

Transfer Office, both part of the Naval Air Warfare Center Weapons Division Office of Counsel. Harvey proposed the strategy of using a CRDA as a vehicle for publishing the book. In previous CRDAs, China Lake and a private company had jointly developed some product that benefitted both parties. Harvey contended that such would also be the case with the publication of Gillespie's book. Elaine successfully pressed the case with the Office of Naval Research and led further negotiations with the publisher. After much dotting of "i"s and crossing of "t"s, the final version of the CRDA was signed in May 1991. In November 1991, "Markov Processes, An Introduction for Physical Scientists" was published at a list price of \$44.50.

The CRDA holds benefits for both of its parties. Under the agreement, Academic Press has the rights to print Gillespie's book and to profit from its sales. For NAWCWPNS and the Navy, there are two benefits. First, the international scope of Academic Press, with offices not only in the U.S. but also in London, Sydney, Tokyo, and Toronto, means that Gillespie's work will reach scientists all over the world. Second, a percentage of the net proceeds of the book's sales are returned to China Lake and used to increase the technology-transfer potential of ongoing research and development activities.

Gillespie says he's perfectly content to not receive any royalties from his book. "The Navy paid me up front to do some research," he said, "and I shouldn't get any royalties for simply reporting the results of that research."

"The success of this book shouldn't be measured by how much money it generates in sales, but rather by how much it enhances the mathematical abilities of scientists

Please see **CRDA**, next page

SECRETARY, from Page 10

jumping around here, we hardly know what to do to get motivated."

Roy Hageman, McLaury's boss, feels his office runs smoothly because of McLaury's capabilities, her personality and her desire to do right. "She's part of our team," he said.

Both Hageman and Irving feel their offices couldn't function without a reliable secretary. "Secretaries are some of the most important positions at China Lake," Irving said. "They are very important in getting the day-to-day work done."



Janie McLaury

Heritage Week seeks food booths

This year's American Heritage Week's food booths will feature a variety of ethnic cuisines and entertainment designed to showcase China Lake's cultural diversity, says Monica Hewston, the AHW Food Booth chairperson. The Food Booth event is scheduled for Tuesday, June 9, from 11 a.m. to 1 p.m. at Solar Park.

Any organization interested in sponsoring a food booth needs to contact Hewston at 939-6509 no later than April 20. Booths will be required to display a relevant cultural/heritage value to this year's theme "Hands of Many Colors Building a New World," said Hewston.

According to Hewston, members of the AHW Committee interpreted the theme to mean: The global changes in recent years required the efforts, sacrifices and cooperation of many people from many different cultures. Continuing this transformation into a world community will require the joining of many hands. As we approach the year 2000, we see the joining of these hands as the beginning of many exciting possibilities.

Assistance in decorating ideas, serving methods, prices, and so forth will be offered to any organization sponsoring a booth, Hewston said. Selected organizations will be notified by April 27.

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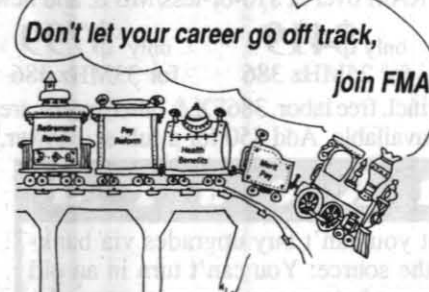
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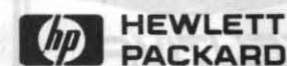


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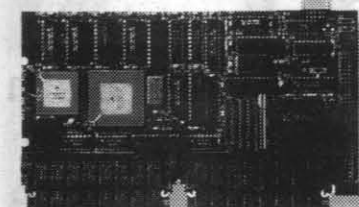
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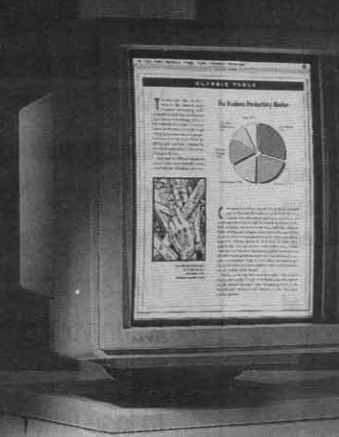
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Out with the old (1943), in with the new (1992)! During the past year, members of Contel Advanced Systems Inc. and the Naval Air Warfare Center Weapons Division Telecommunications Project Branch at China Lake have been supervising installation of fiber, twisted-pair cable, dedicated state-of-the-art digital switching equipment and new telephones throughout China Lake. Since last Friday evening the new Center Telecommunications System has been on line.

"A basic feature package and very limited data capabilities have been programmed for each telephone to simplify initial cutover of the CTS," said Nancy Guglielmo from the Telecommunications Project Branch. "The system has vast voice and data capabilities that will be added as users' needs are defined."

New services and features automatically installed in the system include 911 Emergency Service, FTS2000, Call Forward, Three-Way Calling, Last Number Redial, Ring Again and Speed Dialing.

With the addition of 911 Emergency Service, people working at China Lake will be able to dial 911 for emergency services, instead of 3333. "Now we are hooked up to the universal number," said Guglielmo. "In the past, people have had trouble remembering we didn't have this

service, resulting in unnecessary delays."

With the cutover, China Lakers will begin using the FTS2000 network for all commercial (except 800 numbers) and intra-government long-distance calls within the United States, Guam and the Virgin Islands. Overseas calls will continue to be handled as they are now. While FTS2000 is a cost-saving calling method under a government-wide GSA contract, Defense Switch Network (Autovon) is still cheaper, Guglielmo said. Because there is no charge for DSN usage, she urges employees to use it whenever possible.

With FTS2000, employees no longer need to go through an operator or use special billing numbers for long-distance calls within the U.S., Guglielmo said. However, she reminds employees this system is for government business only. If a situation dictates an employee make a personal long-distance call on a government phone, that employee must go through the operator and charge the call to his personal number.

The Call Forward feature allows users to forward calls from one number to another. This means if someone knows he is going to be away from his desk, he can program his number to ring at another number—whether it is a number where

he is going to be, or to another person's number who can take messages.

Users can carry on a conversation with two other parties at the same time with the Three-Way Calling feature.

The Last Number Redial feature automatically redials the last number called, while the Ring Again feature notifies users when a line is no longer busy. Upon command, the system will redial the number for the user.

Users can now store frequently-called numbers and access them with a one-digit code with the Speed Call List (Short) feature. According to Guglielmo, users can program up to 10 numbers for quick and easy access.

Other features are still being programmed into the system including Intercom, Call Pick-Up and Voice Mail.

Intercom and Call Pick-Up are currently being programmed, and those not completed by cutover will be completed as soon as possible afterward, she explained. Guglielmo noted it was up to the departments' CTS point of contact to notify CTS if a code wanted these features. Employees wanting to know if they are going have these features can call their CTS point of contact.

The Voice Mail feature, is currently being installed for those previously served by answering machines.

Voice Mail can act as an answering machine. It allows the caller to leave a detailed personal message and users are notified a message is waiting by a "stutter dial-tone" when the phone is accessed to make a call. Users can also program the system to notify them at another number or on a beeper when messages are waiting.

It allows users to exchange voice messages with each other without calling them directly. This includes sending messages to multiple mailboxes and using distribution lists.

People who do not receive a voice mailbox on the initial system can submit a CSR for one after System Acceptance (in about a month) to the Telephone Services Branch. Requests will be filled until the 1000 mailboxes are used. In October, the system will be updated and China Lake will receive another 4000 mailboxes.

Users are urged to read their instruction manuals and learn how to operate each system.

"It will take up to six months before everything is settled down," Guglielmo said. "But when the dust clears, we will have an up-to-date, efficient telephone system that will save time and can be expanded when needed."

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PERSONNEL NEWS

PROMOTIONAL OPPORTUNITIES

Applications for positions listed below are being accepted from Department of Navy Employees currently stationed at NAWC, China Lake and from eligible employees of attached activities who are permanently assigned to the China Lake site. This group includes employees with career or career conditional appointments, employees with permanent Veterans Readjustment Act (VRA) appointments, temporary employees with reinstatement eligibility, and handicapped employees with Section 504 continuing appointments. Also included are spouses, with competitive status, of civilian sponsors hired by a DOD activity within China Lake's commuting area. Applications from other groups will be accepted when specified in advertisements listed herein. Vacancies are subject to restrictions imposed by the DOD Priority Placement Program. Applicants must meet all legal and regulatory requirements, including minimum qualifications, by the closing date of the advertisement. Evaluation of applicants' qualifications will involve using at least two assessment measures. Assessment measures are work experience, annual performance assessment rating and narrative, education, training, and awards.

Eligible spouses, of military sponsors, with competitive employment status or eligibility under E.O. 12362, must register in the DOD Priority Placement Program to be eligible for spousal preference. Those enrolled in this program will automatically receive consideration for employment on vacancies for which they qualified. For initial employment information, career counseling and enrollment, call 936-3317 for an appointment.

HOW TO APPLY: Submit the following: a current application, SF-171 or other Human Resources Department pre-approved form, a copy of your most recent annual performance assessment narrative (note: a copy of your performance plan should be attached if the annual performance narrative does not clearly state the tasks/duties performed); and a completed Background Survey Questionnaire. A supplemental narrative which relates your qualifications to each knowledge, skill, or ability (KSAs) as cited in the advertisement is highly recommended and may be required if stated in the vacancy announcement. Write the title, series, level (grade), and announcement number on all application materials. Not submitting the annual performance narrative may adversely affect your evaluation score. Prior to submitting your application, complete Cover Sheet Form 1235/2, available at the reception desk. Make sure your address, phone number, etc., are current, correct and that all forms are complete and accurate. If any of this information is missing, your qualifications may not be fully and completely rated. Additional information cannot be submitted after the closing date of the announcement. A current date and signature on the last page completes the application. Civilian Spousal Program Eligibles with competitive status must submit a copy of their sponsor's PCS orders with each application in order to be considered for Merit Promotion vacancies which do not state that status eligibles may apply.

Application materials are accepted, and blank forms are available, at the Reception Desk, Room 100, Human Resources Department, 505 Blandy. Announcements close at 4:30 p.m. on Thursday, one week after the opening date of the announcement, unless otherwise specified. Applications received after 4:30 p.m. on the closing date will not be considered. Copies of Applications may be submitted since applications are kept in an announcement file and cannot be returned or filed in personnel folders. The Naval Air Warfare Center, Weapons Division is an Equal Opportunity Employer; selections are made without discrimination for any non-merit reason.

NOTICE REGARDING DRUG TESTING DESIGNATED POSITIONS

Any applicant tentatively selected for one of these positions will be required to submit to urinalysis to detect illegal use of drugs prior to a final selection. Final selection is contingent upon a negative drug test result, and thereafter the selectee will be subject to drug testing as the incumbent of a Designated Position. Further, all Department of the Navy employees may be subject to drug testing under certain circumstances such as reasonable suspicion and after an accident. All individuals will have the opportunity to submit medical documentation that may support the legitimate use of a specific drug to a Medical Review Officer. An applicant's test results will be provided to the selecting official and servicing Civilian Personnel Office before a final selection is made. A verified positive drug test of a current Department of the Navy employee will also be provided to the employing activity/commands. (NAWPNCENST 12762.2, 14 Dec 90).

MERIT PROMOTION

No. 28-069, Budget Clerk/Assistant, DG-561-1/2/3, Codes 2833 and 2836 - Multiple Vacancies. Positions are located in the Office of the Comptroller, Budget & Resource Analysis Division. Incumbent will provide fiscal clerical support to the branch or any of the departments it serves. Incumbent assists in preparing overhead budgets, gathers financial and accounting data, monitors expenses on customer order/job order numbers, assists the department in processing travel orders and/or material requisition actions. **Job Relevant Criteria** - Knowledge of accounting or budget clerical procedures; ability to meet deadlines under pressure; ability to work rapidly and accurately; and ability to work with fingers. Promotion potential to DG-3. **Ad Closes on 4-23-92.**

No. 32-004, Supervisory Interdisciplinary Mechanical/Aerospace/General Engineer/Physicist, DP-830/861/801/1310-3/4, Code 3276. Incumbent serves as Head, Airbreathing Propulsion Branch, Code 3276 (C2476) in the Propulsion Systems Division, Code 327 (C247) of the Ordnance Systems Department. Incumbent is responsible for the management, supervision and administration of the Branch involved in airbreathing propulsion systems exploratory, advanced, and engineering development programs. Branch emphasis, while aimed at high speed ramjet propulsion technology, also includes turbojet and combined cycle systems. **Job Relevant Criteria:** Knowledge of the aerodynamics, gas dynamic, and combustion processes involved in the design, development and testing of airbreathing propulsion systems and their diverse technical abilities; knowledge of affirmative action principles including a willingness to implement EEO practices; ability to plan, organize, coordinate, and manage a technical program; ability to

interface with national (government and industry) and international experts in airbreathing propulsion and ramjets; ability to communicate orally; ability to communicate in writing. Must serve a 1-year probationary period if not previously completed. Permanent change of duty station (PCS) is not authorized. Full performance level is DP-4. **This vacancy announcement opens on 04-17-92 and closes on 05-01-92.**

No. 35-003, Management Analyst Supervisory, DP-343-3, Code 2692 - This position is Head, Planning Branch II and reports to the Head of the Facilities Planning Division, Public Works Department, China Lake. The incumbent supervises, manages, administers, and coordinates the facility and infrastructure/utilities planning, Shore Facilities Planning System (SFPS) documentation, utilities locates and outages, and real estate activities. This position requires interfacing with the Engineering Field Division, the major claimant, resource sponsors, local governmental agencies, utilities and private companies, and civic and social groups for project approvals, easements, licenses, permits and land use and planning issues. **Job Relevant Criteria:** Knowledge of the NAWC, China Lake, facilities, equipment space (FES) planning process; knowledge of procedures for SFPS documentation; ability to collect and analyze data; ability to communicate in writing; knowledge of affirmative action principles including a willingness to implement EEO practices. May be required to serve a 1-year supervisory probationary period. Full performance level: DP-3. **PCS is not authorized.** This announcement is open 4-17-92 thru 5-1-92. Area of consideration is Naval Air Warfare Center Weapons Division.

No. 62-011, Electronics Technician, DT-856-A/1/2/3, Code 6236 - This position is

located in the Transponder Shop of the Radar Branch of the Instrumentation Systems Division of the Range Department. The incumbent is responsible for the operation, maintenance, repair and Pod upgrades for Radar Transponder systems/subsystems used for missile and aircraft testing on the North Range, Naval Air Warfare Center (NAWC). This will include the troubleshooting, maintenance, and calibration of Radar Transponders. **Job Relevant Criteria:** (DT-A) Knowledge of electronics principles; ability to read schematics and engineering drawings; ability to work as a member of a technical team; ability to read and understand instructions and procedures; and the ability to communicate orally. (DT-1) Knowledge of electronics principles; skill in using electronic test equipment; skill in operating tracking mounts; ability to read and interpret schematics and engineering drawings; ability to use common electronics tools; and the ability to communicate orally. (DT-2) Knowledge of digital and/or analog circuits; ability to troubleshoot and repair digital and/or analog circuits; knowledge of radar and radar systems; skill in alignment, test, and calibration of Transponder systems; and the ability to communicate both orally and in writing with all levels of personnel. (DT-3) Knowledge of digital and/or analog circuit design; knowledge of radar and radar systems; skill in alignment, test, and calibration of Transponder systems; ability to troubleshoot and repair digital and/or analog circuits; ability to design, document and fabricate one-of-a-kind electronic hardware; and the ability to communicate both orally and in writing with all levels of personnel. Overtime and working outdoors are required for all levels. Promotion potential to DT-3, but not guaranteed.

Secretarial opportunities

This column is used to announce secretary positions for which the duties and job relevant criteria are generally similar. Secretaries serve as the principal clerical and administrative support in the designated organization by coordinating and carrying out such activities. Secretaries perform numerous tasks which may be dissimilar. Positions at lower grades consist primarily of clerical and procedural duties and, as positions increase in grades, administrative functions become predominant. At the higher levels, secretaries apply a considerable knowledge of the organization, its objectives and lines of communication. Depending on grade level, typical secretary duties are implied by the job relevant criteria indicated below.

Applicants will be rated against four or more of the following job relevant criteria: (1) ability to perform receptionist and telephone duties; (2) ability to review, track, screen and distribute incoming mail; (3) ability to review outgoing correspondence; (4) ability to compose correspondence and/or prepare non-technical reports; (5) knowledge of filing systems and files management; (6) ability to meet the administrative needs of the office; (7) ability to train clerical personnel and organize workload of clerical staff processes; (8) ability to plan and coordinate travel arrangements; (9) ability to maintain and coordinate supervisor's calendar and to arrange conferences.

Unless otherwise indicated, applicants for branch secretary will be rated on elements 1/2/3/5/8; division secretary applicants will be rated on elements 1/2/3/4/1/8/9; Program Office secretary applicants will be rated on elements 1/2/3/4/5/8/9; and department secretary applicants will be rated on elements 4/7/8/9. A SUPPLEMENTAL FORM IS REQUIRED AND MAY BE OBTAINED IN ROOM 100 OF THE PERSONNEL BUILDING.

SECRETARIAL COLUMN

No. 30-002, Secretary, DG-318-2/3, Code 306 - Incumbent will provide secretarial support to the Advanced Technology Support Program of the Weapons Planning Group. Experience with the Macintosh PC is desirable. Applicants must be able to

obtain and maintain a Top Secret clearance based on a Special Background Investigation, adjudicated to DCID 1/14 personnel security standards. Any applicant tentatively selected for this position will be required to submit to urinalysis testing for illegal drugs prior to final selection. See "Notice Regarding Drug Testing Designated Positions" in "Promotional Opportunities" box above. Promotion potential to DG-3, but not guaranteed. **PREVIOUS APPLICANTS NEED NOT REAPPLY.**

No. 32-003, Secretary (Typing), DG-318-1/2, Code 3212 (C2412) - This position is located in the Thermal and Process Evaluation Branch, Ordnance Systems Department. The incumbent will provide secretarial support to the Branch Head and branch personnel. Knowledge of Macintosh computer is desirable. Incumbent must be able to obtain and maintain a Secret Clearance. Full performance level is DG-2, but not guaranteed.

BRANCH MEDICAL CLINIC

ANNOUNCEMENT NO. RB-009-92, SOCIAL WORKER, GS-185-9/11, BRANCH MEDICAL CLINIC, NAWC, CHINA LAKE, CA. - This position is located in the Branch Medical Clinic, Naval Air Warfare Station, China Lake, Calif. The incumbent's responsibilities will be as follows: Assists in the development and implementation of the Family Advocacy Program of the Branch Medical Clinic, Naval Air Warfare Station in China Lake, Calif; develops treatment plans and arranges for treatment services from military and civilian agencies utilizing skills in diagnosing social and psychological dysfunction among individuals and family units; provides crisis intervention counseling; provides individual, marital, family and group psychotherapy; provides Family Advocacy consultation. The incumbent must meet X118 qualification standards, including all of the requirements for the Master's degree in social work in a school accredited by the Council on Social Work Education. **Job Relevant Criteria:** Knowledge of principles and practices of social work; knowledge of family systems, theories, and counseling methodology; knowledge of Federal, State, and local laws; knowledge of medical and psychiatric terminology; and the ability to prepare psychosocial evaluations. To apply, applicants must complete and submit the following: SF-171 and list of college courses (OPM Form 1170/17) or college transcripts. Applicants claiming 10 points veterans preference must also submit SF-15. Mail applications to: Civilian Personnel Office (0010), Naval Hospital, 7500 East Carson Street, Long Beach, CA. 90822. Civil Service Status is not required. Relocation expenses will not be paid. A complete copy of this ad can be obtained in the Human Resources Department, Room 100. This ad will remain open until filled. Previous applicants need not reapply.



Naval Air Warfare Center-Weapons Division Naval Air Weapons Station, China Lake Announcements

Submit items to: Code 3415(C9425); FAX 446-2619, Ralph Kulas (contractor); or E-Mail to TID:ANC.



NEED TABLES?

We have three tables available free of charge, just come haul them away. Two are made of wood and measure 24" x 36". The third measures 34" x 60" and has a center drawer. If interested call Debbie, ext. 2478. (Code 22)

LEADING EDGE COMPUTERS AVAILABLE

Code 2504 of the Procurement Department has a number of Leading Edge Model D computers available. These are IBM PC/XT compatibles with the following characteristics:

4.77 Mhz 8088 Processor
1 Mb RAM
20 mb Hard Drive
360K 5 1/4" floppy drive
1 serial/1 parallel port
12" monochrome monitor
Standard keyboard
Comes with DOS 3.3
Call Norma Bartels, ext. 2733 to make arrangements for pick-up or to reserve. For technical questions contact Steve Sutton, ext. 3806. (Code 2504)

PRINTER RIBBONS AVAILABLE

Code 2742 has five-boxes of Qume IV printer ribbons available to anyone who wants them. Each box contains six 5/16" x 500' mylar film ribbons. They are for Qume Sprint 7, 8, 9, 10, and 11; Control Data Certainty 410; Digital LQP-02; Delta Data; Lexitron 45, LPS printer, Sharp Benchmark, and others. Please call Sherri Paulsen, ext. 2358, if you're interested. (Code 2742)

MCLAUGHLIN RESEARCH CORPORATION CONTRACT

Code 3641 carries the NAWC Video Maintenance and Repair contract (N60530-90-C-0047). McLaughlin Research specializes in the repair and maintenance of all professional video and support-related equipment, i.e. video cameras, monitors, TVs, and VCRs (both ground and airborne).

For service, call Buck Daugherty at 371-2110. For contract information call Kathy Bangs at 927-1781. (Code 3641)

REMEDIAL AND PREVENTIVE MAINTENANCE OF HP HARDWARE

The Information Resources Acquisition Management Branch (Code 2741) has a centerwide contract for remedial and preventative maintenance of Hewlett Packard ADP hardware and attached peripherals. This contract is a time and materials contract. It is not a mandatory contract, but has been initiated to provide primary or alternative service support.

Contractor: Computer Technical Services, Inc.
Contract Number: N60530-90-D-0025
Current Period of Performance: 1 May 1992-30 April 1993
Contractor receives call from Trouble Desk.

Cost: \$33.00 per hour plus parts/material with a 2 hour minimum.

For administering the contract our surcharge will be 7.6%.

This contract includes remedial and preventative maintenance of Hewlett Packard ADP manufactured equipment and attached peripherals. If you wish an esti-

mate before work is done, it can be requested—the 2 hour minimum will apply. Customers may request field modifications sponsored by the original equipment manufacturer. Any repairs with parts costing over \$1,000.00 each must be approved in writing by the Technical Monitor. Any upgrades to existing equipment must be approved by the Technical Monitor before the work can be done.

If you wish service on this contract, you must contact the Trouble Desk at 379-2575 with the following information.

1. Model Number
2. Serial Number
3. Bar Code
4. A brief description of the problem
5. Contact/requester
6. Phone number
7. J.O.
8. Location of the equipment and your code.

Questions or problems may be directed to Martha Faron, ext. 3395. (Code 2741)

MACINTOSH COMPUTERS NEEDED

Does anyone have any Mac computers and printers that aren't needed or being used? If so, please contact Dennis Hatzembuehler, ext. 2997 or 3487. (Code 2131/C8210)

TRACE AMPLIFIER PLUG-INS NEEDED

Code 3913 has a need for two Dual Trace Amplifier plug-ins Model No. 7A26. They are for a Tektronix Oscilloscope Model 7904. Contact Mark Erickson at AV-933-5151. (Code 3913)

DISSPLA SOFTWARE USERS

Currently, Code 2741 has a 1-year consolidated maintenance contract for "DISS-PLA" software with Computer Associates.

A new follow-on contract beginning 1 October 1992 is being prepared. If you are not already covered by our current contract and are interested in being included on this contract, please call Martha, ext. 3395. (Code 2741)

HEWLETT PACKARD HARDWARE MAINTENANCE

Currently, Code 2741 has a consolidated hardware maintenance for the repair of Hewlett Packard ADP hardware which expires on 30 April 1993. Is there any interest in a follow-on to the current contract? If so, please contact Martha Faron, ext. 3395. (Code 2741)

MOVING AND STORAGE PROCEDURES

If you are going to be moving from one office space to another, and will require the services of the Johnson Controls moving crew, the following procedures should be followed:

Send a memo, one week in advance, to John Haywood in the BOSC Branch (Code 2623) and include the following information:

- a. Job Order Number
- b. Point of Contact Name, Location, and Phone Number
- c. A detailed list of items to be moved
- d. Location where items will be picked up and location to which items are to be delivered
- e. Approximate date you wish to have the move occur
- f. Any special requirements (i.e. air ride

van required, large or bulky item, item of considerable weight or fragile item).

It is recommended that the memo be sent a minimum of one week prior to the date you wish the move to occur. This will allow ample time for the move to be scheduled and estimated.

If you need assistance in setting up your move, John Haywood can be reached at ext. 3411, x531. (Code 2623)

TSP AND CHANGE OF ADDRESS

The Thrift Savings Plan (TSP) service office will mail semi-annual TSP participant statements to employees in May 1992. If the TSP service office does not have the correct mailing address, employees will not receive this important material. Employees must notify the payroll office immediately if there has been a change in mailing address.

ACID AND FLAMMABLE STORAGE CABINET WANTED

If anyone has a spare flammable storage locker suitable for either outdoor or indoor storage of chemicals or an acid cabinet that they no longer need, please contact Pam Harris, Hazardous Materials Program Manager, at the Safety Office, ext. 2002. (Code 2405/C8402)

TAC BRAWLER

TAC BRAWLER is described as a comprehensive computer simulation tool that provides a detailed representation of air-to-air combat involving multiple flights of aircraft in both visual and beyond-visual-range (BVR) arenas. In such engagements, cooperative tactics and human fac-

tors such as surprise, confusion, and limited situation awareness play a critical role in determining combat outcomes. TAC BRAWLER places special emphasis on carefully simulating these aspects of the engagement process. In addition, a high level on detail is achieved in the hardware models, including those of aircraft aerodynamics, missiles, fuses, expendables, radars, missile launch warning devices, radar warning receivers,IRST, IFF, and NCID. Electronic countermeasures versus radars, missiles, and communication are also handled. Hardware models are largely data driven and data bases describing most current generation of US and threat systems for air-to-air engagements are available. The modular nature of the TAC BRAWLER model facilitates the incorporation of new hardware models at various levels of fidelity.

Typical applications of TAC BRAWLER include hardware design tradeoff studies for airframes, avionics and weapons systems, and tactics development. The emphasis is on hardware effectiveness in a realistic environment.

The Survivability and Lethality Division is installing the TAC BRAWLER Air Combat Simulation developed by Decision-Science Applications, Inc., (DSA) at China Lake on the SURLE Service Center computer system. A three-day class is planned, to be taught by DSA, at China Lake, on the capabilities and use of TAC BRAWLER. Limited spaces are available in the class. Those interested in attending or in further information about TAC BRAWLER can contact Brad Glasco, ext. 3681. (Code 31804/C11804)

LEAVE DONORS NEEDED

The employees listed below have been approved as leave recipients under the Leave Transfer Program. These employees have exhausted annual and sick leave because of personal emergencies and will be in a nonpay status for at least 10 days. Employees who wish to help a leave recipient may donate annual leave to the employee. NAWPNCEN NOTICE 12630 provides specific information regarding how to donate annual leave. Send your approved request to Code 221. For additional information, call ext. 2018.

Alvina S. Quintanilla, Contract Specialist, Code 254

Alvina S. Quintanilla is undergoing daily radiation therapy for inoperable cancer of the naso-pharynx.

Patricia Chan, Program Manager, Code 3402

Patricia Chan needs leave to care for her husband who is terminally ill with cancer.

Elsie Sweet, Architecture Technician, Code 2691

Elsie Sweet underwent orthoscopic surgery on her knee.

Jan Langham, Contract Specialist, Code 258

Jan Langham is undergoing treatment for bronchitis and asthma.

Sherry Moore, Visual Information Specialist, Code 3424

Sherry Moore is indebted for leave following hospitalization for bronchitis and respiratory problems.

Richard L. Lackey, Electrician Work Leader, Code 2673

Richard L. Lackey is recovering from severe pneumonia.

Jesse Ray Lewis, Jr., Police Officer, Code 2413

Jesse Ray Lewis, Jr., has been off work for several months due to back surgery and complications resulting from the back surgery.

Carolyn A. King-DeLeon, Engineering Data Management Specialist, Code 36531

Carolyn A. King-DeLeon is in need of leave to care for her husband during his 12 weeks of intensive metabolic treatment to regain control of his diabetes.

Judy A. Eldredge, Code 2862

Judy A. Eldredge is in need of leave to care for her 6-year-old son who is undergoing continuous treatment for Acute Lymphatic Leukemia.

Salleye S. Wakeland is suffering from anxiety attacks, migraines, and side effects from the medication prescribed for these conditions.

Linda Harinek, Purchasing Agent, Code 254

Linda Harinek underwent open-heart surgery and is unable to return to work until March 1992.



Unless otherwise noted, enroll in the following classes by submitting NAVWPNCEN 12410/73 (Rev. 12-88), Request for On-Center Training, via department channels to Code 224. (Code 224)

AERODYNAMICS (24 hrs.)

26-28 May; Tuesday-Thursday, 0800-1600; Training Center. By: Evolving Technology Institute.

Intended Audience: DP-2 and DP-3 S&E employees and their managers. Required for enrollees in SEC Program.

The principal objective of this course is to familiarize the student with the aerodynamic principles involved with an airborne store and/or a missile in free flight. Specific learning objectives are to:

- understand the significance of the Reynolds Number and its value for a typical missile
- gain insight into the drag coefficient for various aerodynamic shapes
- acquire skills in determining the drag of various weapons configurations
- develop an intuitive insight into critical parameters of length, diameter, mass, inertia and c.g. of a missile
- develop an understanding of weapon systems location and aerodynamics interference with the host vehicle.

Deadline: 12 May

PERSONAL FINANCIAL PLANNING (1.5 hrs.)

6 May; Wednesday, 1600-1730; Training Center. By: Charla Green, Consultant.

Scope: This presentation is intended to increase your level of confidence and control over your finances. You will be introduced to the skills required to formulate a personal financial plan. Debt reduction and saving strategies will also be included. Investment returns and risks will be discussed to help you decide on a Thrift Savings Plan strategy. Time will be provided for questions.

Enrollments are on a walk-in basis. Point of contact is the Wellness Program Office, 939-2468.

SUPPORTIVE CONFRONTATION (16 hrs.)

6, 7 May; Wednesday, Thursday, 0800-1600; Conference Center. By: Mary Ann Gallagher.

Scope: Conflict with other people is a significant source of stress for most of us. Participants in this course will distinguish between unrealistic and substantive conflict and discuss characteristics of unsafe and safe environments. They will examine conditions necessary for naming someone else's troublesome behavior with honesty, compassion, and respect. Judgement, advice-giving, and interpreting will be discussed. Participants will practice active listening and giving complete messages. They will learn how to get and to give personal support around a confrontive event.

Presentation Method: Seminar
Deadline: 1 May

ADMINISTRATIVE POLICIES AND PROCEDURES FOR NEW SUPERVISORS (32 hrs.)

6, 7, 13, 14 May; Wednesdays-Thursday, 0800-1600; Training Center. By: Center Staff.

Intended audience: New Supervisors

during the 1st year probation period.

Scope: This mandatory 4-day course provides new supervisors with basic information about important NAWC/NAWS administrative policies and procedures.

Topics covered include: a summary of general guidelines (organizational structure of DOD and subordinate commands, safety, security, privacy act, ethics, workers compensation, plant account, Drug Free Workplace Program, and EEO including Prevention of Sexual Harassment), affirmative employment (merit promotion, reassignment, special interest programs, interviewing and selecting new employees, reading a 171, and obtaining performance information from previous supervisors), employee development, employee awards (and other aspects about the DEMO system), discipline (problem behavior, poor performance) and other topics of interest to supervisors.

Completing this course within the first 120 days of your supervisory probation period satisfies the mandatory training requirements for the probationary year for safety security, ethics, and prevention of sexual harassment.

Note: Enrollments are on a call-in basis only. First-to-call, first-to-be-placed. To enroll or if you have any questions, call ext. 2686.

INTRODUCTION TO MESSAGE TEXT FORMATS (MTF) FOR MACINTOSH (8 hrs.)

26 May; Tuesday, 0800-1630 or 3-4 June; Wednesday-Thursday, 0800-1130; Training Center. By: RMC Hazel, Code 87.

MTF editor is a message preparation program designed for MS-DOS computers. It assists message drafters and typists in preparing error-free naval messages. This program has a user-built plain language address(PLA) directory, prompts the typist for required information, provides error messages as required allowing operator to make corrections, spell-checks messages, allows importing of other files or messages, draft printing for proofreading and internal routing/release, DD-173 printing and it declassifies and prepares diskettes to send or receive messages with the NTCC. Knowledge of MS-DOS is helpful but not required. This will be a hands-on workshop. Knowledge of naval message preparation procedures (NTP-3) is mandatory. Enrollments will be accepted on a call-in basis. NOTE: Class dates are not interchangeable. To enroll select either 26 May or 3-4 June and call ext.3159.

OFFICIAL CORRESPONDENCE REVIEW (4 hrs.)

2 June; Tuesday, 0730-1130 or 1230-1600; Training Center. By: LaNelle Thompson.

This class is a review of the 1 day course "Official Naval Correspondence." It is for all personnel who type, write, or approve naval correspondence. An overview will review standards for correspondence preparation, formatting and paperwork management. Enrollment is

on a call-in basis. To enroll call ext.3159 and request either the morning or afternoon class.

Deadline: 18 May

SECURITY OVERVIEW (4 hrs.)

30 June; Tuesday, 0800-1130; Training Center. By: Code 243.

This course is designed to provide employees with a brief security overview of information security, personnel security, operations security, communications security, and security education. The class will include short films on safeguarding and marking of classified information and the foreign intelligence threat. Security violations and infractions will be discussed as well as distribution statements and public releases. Enrollment is on a call-in basis. Please call Pat at ext. 3159 to reserve your space in class.

Deadline: 16 June

SECURITY FOR COORDINATORS (24 hrs.)

9-11 June; Tuesday-Thursday, 0800-1600; Training Center. By: Code 24301.

Intended audience: Security Coordinators and Assistants or alternates and employees who anticipate performing duties as security coordinators.

This is an advanced security class. This class will provide a working knowledge of classification management, downgrading, declassification, marking, access, control, dissemination, transmission, accountability, storage, destruction, custody control point procedures, security violations, security education, operations security, communications security, computer security, and distribution statements.

Deadline: 25 May

BASIC CLERICAL FORUM—TRAVEL (4 hrs.)

11 June; Thursday, 0800-1130; Training Center. By: Codes 2854 & 3625.

Intended audience: Clerical personnel who are new to the field or have recently moved to an office with a lot of travel requirements.

This class will provide the basic travel requirements needed to type travel orders and travel vouchers. Questions and answers will be included that will take a travel request from the traveler's hands, through the various steps and procedures and upon completion of the trip, on the journey of the voucher from submission to payment. No training request needed. Class registration is on a call-in basis. Class will be limited to 18 students. Call ext. 3159 to enroll.

BUDGET EXECUTION (28 hrs.)

15-18 June; Monday-Thursday; 0800-1600, Training Center. By: Foster Associates.

Monitoring and controlling the use of funds and preparing program and financial plans are integral parts of the federal budget cycle. As the year progresses, these plans may have to be reformulated based on changing priorities, management decisions, and evaluating one program against another. This course addresses fund control with an emphasis on revision of financial plans and administrative requirements for reprogramming and realigning available funds.

Deadline: 29 May

TELEPHONE TECHNIQUES (4 hrs.)

17 June; Wednesday, 0730-1130; Training Center. By: Lyn Wilson.

In this course you should learn how to: save time, identify and personalize each call, listen more effectively, make courtesy work for you, screen calls, handle multiple calls, handle the difficult caller, relieve stress, be at your professional best at all times, and much more. Enrollment is on a call-in basis. Please call ext.3159.

Deadline: 1 June

SECURITY FOR SUPERVISORS (7 hrs.)

18 June; Thursday; 0800-1600; Training Center. By: Code 24301.

All supervisors now have security as a critical element in their performance plans. OPNAVIST 5510.1H, the Navy Information and Personnel Security Program Regulation, requires that supervisors must assure themselves that subordinates know the security requirements impacting on the performance of their duties. This class addresses the supervisor's role in providing a security-conscious environment. Areas covered include communication security (COMSEC), information security, personnel security and badging, computer security (COMPUSEC), physical security, operation security (OPSEC), security education, and assistance.

Deadline: 1 June

EQUIPMENT CUSTODIAN (3 hrs.)

23 June; Thursday; 1300-1600; Training Center. By: Debra Schlick Code 275.

This course is designed to familiarize equipment custodians with accountability for plant and minor property. It will also provide assistance and guidance in the use of equipment management forms. It will help equipment custodians to understand their duties and responsibilities regarding equipment and accountable assets.

Management responsibilities from equipment acquisitions through useful life and ending with proper disposition will be covered in this course. Also, a way of accessing CERMS through ACC2 network will be explained and a guide handed out.

Enrollments are on a call-in basis. Please call Pat at ext.3159.

FINANCIAL MANAGEMENT FOR SUPERVISORS (12 hrs.)

19 May; Tuesday, 0800-1600; 20 May; Wednesday, 0800-1130; Training Center. By: Gale Poppen, Consultant.

Scope: This course provides new supervisors with basic information about the NAWC/NAWS financial system. It covers basics like the NAWC/NAWS financial organization, levels and kinds of funding received, the overhead system, rate stabilization, and acceleration (fringe).

Note: Enrollments are on a call-in basis only. First-to-call, first-to-be-placed. To enroll or if you have any questions, call ext. 2686.

All approved applicants are to bring a 3-ring binder to class with them.

NEW EMPLOYEE ORIENTATION (4 hrs.)

5 May; Tuesday, 0800-1130; Training Center. By: NAWCWPNs/NAWS Staff.

Intended Audience: New Employees. Scope: Our program starts with a welcome aboard by Capt. Cook and a Center overview by Mr. Porter. Other topics included in the program are Standards of Conduct; Training Opportunities; Security; Employee Assistance Program; IDEAS; Continuous Improvement Program (TQM); and Fraud, Waste and Abuse.

Enrollment is accomplished via your Department offices. Each new employee will be contacted and approved by their Department offices.

NOTE: If as a new employee you have a question regarding attendance of the program, please call your Department offices.

Your Department office will contact you about attending the orientation. If you wish to attend, ask your Department to add you to their list.

Presentation Method: Seminar

Deadline: 28 April

SYSTEMS ENGINEERING (20 hrs.)

26-28 May; Tuesday-Wednesday, 0800-1600 and Thursday, 0800-1130; Training Center. By: Charles May and Bob Olson.

Required for enrollees in the TMC or SEC Programs.

Scope: This course will make project engineers and technical managers more aware of the systems engineering process

MacAcademy On-Center Training

Carriage Inn (0730-1500) 4, 5, 6 May 1992

Ridgecrest, CA

Registration opens at 0715*

Class Schedule

TIME	4 MAY 1992		5 MAY 1992		6 MAY 1992	
	ROOM 1	ROOM 2	ROOM 1	ROOM 2	ROOM 1	ROOM 2
0730	Advanced Macintosh	Beginning Macintosh	HyperCard 2.0	Beginning PageMaker	Beginning FileMaker Pro	PowerPoint
0930	Claris Works Part 1	Beginning WORD 5.0	Beginning Excel	MacDraw Pro	Advanced FileMaker Pro	Beginning FileMaker Pro
1130-1230	LUNCH BREAK					
1300-1500	Claris Works Part 2	Advanced WORD 5.0	Advanced Excel	Beginning MacWrite II	Advanced Macintosh	Advanced FileMaker Pro

Please Mark the classes above you plan to attend and return a copy of this form to CODE 224, Attn: Annette, 939-0870/2675.

"I hereby approve this training as work related"

Supervisor Dept Staff (Training)

Code

Phone

Student Name (Last, First)

"We have been advised by the contractor that Classes begin ON-TIME!"

SSN

*Privacy Act Information, Protect Accordingly.

MacAcademy Self Study Courses are also available at the Training Center

Presentation Method: VHS Video

(To sign up for a video, call Tammy, ext. 2451)

SYSTEM 7.0 (2 hours)

In this video you will learn: what is System 7.0; file sharing; installing System 7.0; virtual memory; exploring the desktop; trash can; new messages; views; new menus; templates; apple menu; find true type fonts; inter-application communications; and compatibility issues.

UTILITIES: CDVLS & INTS (2 hours)

In this video you will learn: layout; CDEVs & INTs; virus protection SAM; ask; after dark; boomerang; EZ-menu; quick-e; window shade; sound master; the guard dog; windows; on-our; suitcase; heap fixer, and widgets.

MAC NETWORKING (2 hours)

In this video you will learn: what is a Macintosh network; why build a network; when you should network; what hardware can be networked; how a network works; vital parts of a network; network definitions; mixing mac & MS-Dos; and network tips & techniques.

DESIGN & LAYOUT (2 hours)

In this video you will learn: explanation; design; planning; fonts; readability; graphics; grids & columns; moderation; clip art; logos; proofing; scanning; imagesetting; color; printing; and desktop publishing.

POWERPOINT (2 hours)

In this video you will learn: Introduction, Power Point items; sample slides; slide changer; title sorter; styles; color; creating slides; slide masters; graphics; spelling check; label tool; tabs; graphics; special slides; auto slide presenter; handouts; speaker notes; storyboard; printing; summary; and tips.

CLARIS RESOLVE (6 hours)

In this video you will learn: introduction, name in formula; tables; matrix; linking; publish & subscribe; auto save; scripting; buttons; help; learn command; apple events; charts; charting option; grouping; chart templates; options; chart axis; format; print preview; functions; relative/absolute; logic functions; protection; GO TO; database; extracting; name range; install program; program features; worksheets; cells; formulas; cell size; alignment; cut & paste; borders; color; number formats; save documents; spelling check; printing; tools; and show menu.

HYPERCARD 2.0 (6 hours)

In this video you will learn: Introduction; stack kit; power tools; grouping buttons; power menu; show list; pallet maker; menu maker; library script; specials; resources menu; inventory cards; editing cards; reports; objects; layering; scripting; slide handlers; special buttons; copy buttons; debugger; tracking script; variables; X commands; creating stacks; functions; cards; stacks; fields; buttons and graphs; graphics; hyperlink; editor; card info; backgrounds; home stacks; masters; boxes; painting; tools; menus; custom home stack; open stack; hypercard operation; creating stacks; and phone list demo.

SUPERPAINT 3.0 (6 hours)

In this video you will learn: Line tool, shape tool; custom shapes; polygon tool; freehand tool; text; eye dropper tool; plug-ins; pen tool; paint tool; airbrush; pencil tool; eraser tool; masking; multiple painting; install program; graphics; placing graphics; new document; paint layer; tools; rulers; hot keys; hide layer; patterns; paint vs. draw; text; text spacing; two layer selection; brush symmetry; trace edges; brightness/contrast; diffusing; mosaic; draw layers; reshape objects; bezier curves; scale drawing; replicate; transformations; rotate graphics; patterns; paint to draw; super bits; gradients; textures; and color.

EXCEL 3.0 (6 hours)

Scope: record macros; complex command macros; function macros; custom menus; custom dialog boxes; non-resident linked charts; charts; patterns, fonts, borders, 30 charts; copying charts; embedded dynamic charts; drawing objects; embedding text; setting databases, criteria & extraction; data

entry; database forms; making series & sorts; tables; notes; styles; replace; goal seeking; fonts; cell protection; styles; logic functions; non-resident links; error references; time/date stamps; print areas; split windows; display options; installation; worksheet navigation; cells, ranges, references; menu & tool bars; printing; edit menu; filing formulas; past function; embedding formulas; basic spreadsheet; formatting; defining names; custom formulas; alignment; time/date function; and adjusting columns & rows.

MACINTOSH BASICS 7.0 (6 hours)

In this video you will learn: files, system; applications; utilities; loading hard disk; views; desktop; short cuts; aliases; backing up; organizing desktop; managing memory; set memory; icons; desktop; point, click & drag; selecting; apple menu; windows menus; memory—RAM, disk, and virtual; folders; text; floppy disks; copying to disks; desktop; printing; system updates; apple HD SC set-up; updating utilities; modifying system; caps; fonts; postscript fonts; testing hard disk; optimizing HD; rebuilding desktop; labels; publish & subscribe; and file sharing.

ADOBE PHOTOSHOP (6 hours)

In this video you will learn: channels; color picker; create brush alpha channel; threshold; copy/paste; text; stroke; transform images; scale; filters; distort filters; printing; image size; photoshop preferences; virtual memory; zoom tool pixel concept; cropping tool; marquee tools; lasso tool; magic wand tool; pixel memory; pen tool; RGB & CMYK modes; eye drop; per tool; rubber stamp tool; review; line tool; eraser tool; background; air brush; text; blur & sharpen; paint bucket; scanning; brightness menu; image menu; black & white control; color control; level control, and color balance.

POWER OF PERSUASION (4 hours)

In this video you will learn layering; transition features; formatting; outline slide; note pages; place holder; spell checker; find and change; altering placers; slide master; background master; bullets; replace auto template; new auto template; shortcuts; service bureau; program installation; creating presentation auto templates; slide outline; editing text; slide mode; slide sorter; place holders; background masters; graphics; slide show; charts; tables; draw tools; text with graphics; and printing output.

FILEMAKER PRO (4 hours)

In this video you will learn: summary intro; layout setup; defining parts; sorting summaries; grand summaries; sub-summaries; format summaries; calculations with summaries; import data to pro; export data from pro; defining buttons; sizebox tool; custom tab orders; preview sample data; labels/imagewriter; sliding objects; advanced scripting; tables/laserwriter; multiple data lookups; lookup w/graphics; mail merge; archiving old data; creating clone files; importing records; deleting records; logic functions; multiple arguments; databases/defining; creating new files; defining fields; menus; records/data entry; searching records; replacing data; custom rulers/alert; the toolbox; grouping fields; 1-square/alignment; previewing records; grouping fields; the zoombox; formatting fields; basic calculations, and auto scripting.

CLARIS WORKS (8 hours)

In this video you will learn: creating objects; text tool; spreadsheet frame; graphical tools; grouping; reshaping; importing graphics; newsletter; multiple pages; linking text; integrating; graphics; archiving database; mail merge; communications; sending a file; database; defining fields; menus; page set-up; new records; duplicating records; sorting; find; additional fields; new layout; importing graphics; zoom control; align objects; tab order; calculations; columnar report; environment; formatting; design; color; number format; formulas; charting; sorting; single criterion sort; protection; relative cell address; functions; logic functions; checks; macros; program components; document window; text ruler; menus; on-line help; formatting; color; tabs; line spacing; spelling check; find/change; columns; footnotes; headers/footers; and printing.

and will stress the importance of managing programs from a systems standpoint.

The course is directed toward managers of programs and systems engineers, not at practitioners of engineering. A distinction will be made between classical systems engineering and the management of systems engineering. An approach for planning for and executing systems engineering in a dynamic environment will be described.

Deadline: 12 May

FLIGHT TEST ENGINEER TRAINING (40 hrs.)

18-22 May; Monday-Friday, 0800-1600; Training Center. By: Docelator, Mottl, and McShea, Consultants.

Intended Audience: This course is designed for all Flight Test Engineers, from the data analyst to the program manager.

Scope: This 5-day course covers the evolution of a flight test program including: the need for flight test, program concerns, test assets required, types of instrumentation, data reduction and analysis. Types of Time, Space, and Position Information (TSP) sources and their relationship to flight test requirements will also be discussed. Differences in development and demonstration programs will be addressed as well as the relationship with internal and external customers. The latest advancement in data acquisition, correlation, merging and analysis will be studied with an inclination towards true performance vs. the predicted. Ample time will be allotted during each session to allow participants to have questions answered that are of concern to their individual projects.

Deadline: 4 May

ENVIRONMENTAL ENGINEERING (8 hrs.)

19 May; Tuesday, 0800-1600; Training Center. By: Steve Tanner, Code 3665.

Required for enrollees in the TMC or SEC Programs.

Scope: This course will include what the technical manager (not the practitioner) should know about environmental engineering, what it is, why it's important, how it's integrated into the acquisition program, and what elements are required in such a program.

Deadline: 5 May.

WORD, ADVANCED (16 hrs.)

11-12 May; Monday-Tuesday, 0800-1600; Training Center. By: Donnie Goettig, Consultant.

Prerequisite: 6 months experience using Word 4.0

In this course you will learn how to use:

1. Style sheets: automatic and custom, based on, next style, copying and pasting styles, linked styles, changing and editing styles

2. Tables: multiple page tables, combining, merging and splitting cells, sorting in the table

3. Advanced graphics: cropping, resizing, position command, flowing text around the graphic

4. Indexes, custom menus
5. Advanced formatting

6. Tips, keyboard shortcuts

Presentation Method: Hands-On Workshop

Deadline: 27 April

Enrollments are filled as first request received, first approved.

MACINTOSH FOR BEGINNERS (8 hrs.)

27 May; Wednesday, 0800-1600; Training Center. By: Marjorie Hunter, Code 381.

Intended Audience: Beginners with little

or no Macintosh experience.

In this course you will learn to: use the Keyboard and the Mouse to input information to the Macintosh; change software to suit the current application; view files and folders on a data disk; select and drag icons; open icons through the file menu; activate and close windows; use desk accessories such as chooser, finder, and calculator; use the clipboard to transfer information; use some typical applications packages such as a wordprocessor and/or a graphic program. (Applications to be surveyed may include MacWrite or Word, MacPaint, MacDraw or MacDraft,—this class will not be able to cover these applications in any detail—the student is referred to other classes offered for specific applications.)

Presentation Method: Hands-On Workshop

Deadline: 13 May

Enrollments are filled as first request received, first approved.

MAC COMPETENCY WEEK/INTRO TO MACINTOSH (40 hrs.)

18-22 May; Monday-Friday, 0800-1600; Training Center. By: Human Interface Training.

Scope: This 5-day hands-on, self-paced crash course is good for those new to Macs or those who need to become competent fast!!! Class includes an introduction to Macintosh computing, MS Word, Powerpoint, Filemaker, and Excel.

Presentation Method: Hands-On Workshop

Deadline: 4 May

Enrollments are taken as first request received, first approved.

POWERPOINT ON THE MACINTOSH (8 hrs.)