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the navy's university

THE QUARTERDECK

IN THIS ISSUE:
- Karate champ
- Interview with top Navy oceanographers

Vol III Issue 27 August 18, 1994

Discover the fun of science

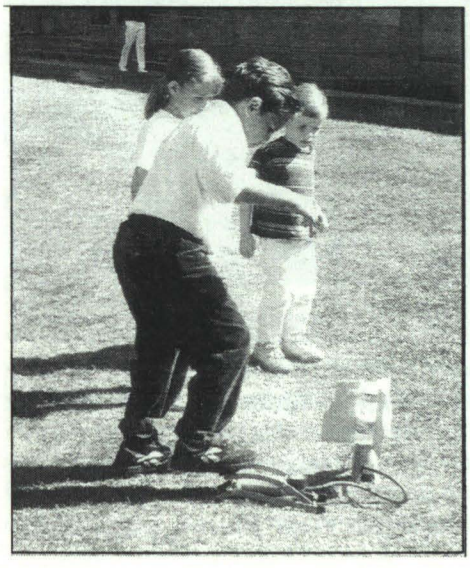
The Naval Postgraduate School will host the 4th Annual Discovery Day on Saturday, Oct. 22. The hands-on science program drew more than 1,600 people last year, including youngsters from 120 schools ranging from Big Sur to San Francisco.

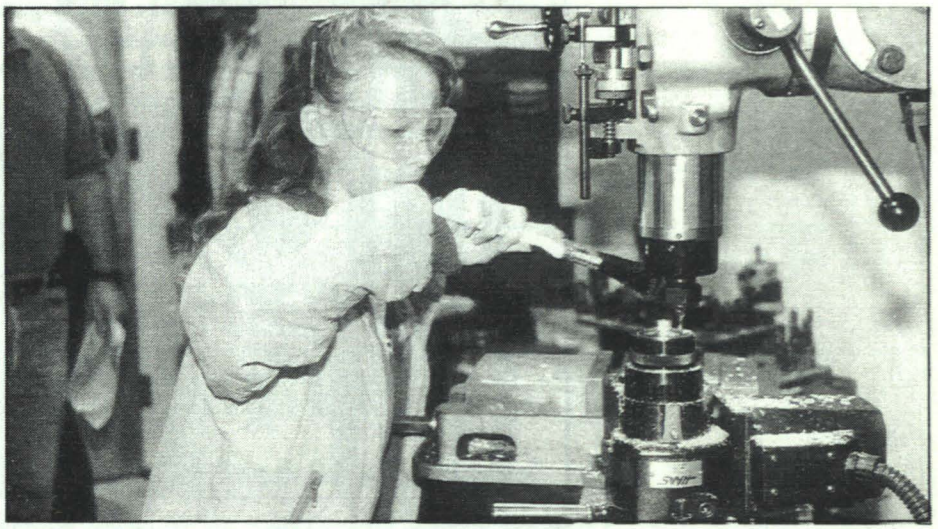
"It is an important event for us and the local community, " said Rear Adm. Thomas Mercer, NPS superintendent. "Discovery Day may be the spark that turns young people on to science and engineering," added Dr. Harrison Shull, provost at the Navy's university.

Activities for Discovery Day '93 included "Tasmanian TV," which carried participants via MBONE to an oceanographer's lab in New Zealand, "Top Gun," a work station based flight simulator, and "Far Side Science," a rollicking offbeat approach to physics.

"We want this year's event to continue to be creative and fun," Mercer said.

Volunteers are needed to set up and supervise activities. New ideas for interesting, educational projects are welcomed. If you would like to help, contact your department chairman, curricular officer or the Public Affairs Office.





Hands-on science

Discovery Day participation has grown steadily during its first three years, with attendance increasing from about 600 people in 1991 to more than 1,600 last year.

Organizers attribute the event's popularity to two fundamental elements. "It's fun and people are genuinely interested in science," said physics Prof. Xavier Maruyama.

Sandi Scrivener, an assistant professor in the aeronautics and astronautics department, agreed. "What struck me the most about Discovery Day was the enthusiasm of the kids," she said. Scrivener, who developed an outdoor activity called "The Rocketeer," gave youngsters an opportunity to launch a water bottle rocket, then calculate launch velocity and maximum altitude achieved by the rocket. Participants were also given an instruction sheet so they could make their own rockets.

"One of the really exciting parts," Scrivener said,"was that after finishing the activity, children would turn to their parents and say, 'OK, let's go home and do this.'"

All Discovery Day activities are designed to provide hands-on science for children and their parents. Interaction between participants and event volunteers also gives people a chance to ask questions and discuss topics of interest with experts. Discovery Day '94 will be held at NPS on Saturday, Oct. 22.

Sailor defends karate title

by JO2 Davy Jones

A Navy dental technician at the Branch Dental Clinic won his second consecutive national full contact karate championship July 5 in Seattle. Avelino Ramirez, a second-degree blackbelt in Shorinji Kenpo karate, defended his middle-weight crown at the Open National Full Contact Karate tounament by knocking out the elimination rounds champion in the fourth round of a five round match. When his father entered him in a tae kwon do class at age five, Ramirez never dreamed it would take him to the top of the amateur ranks.

"My dad was in the military and put me in the class as a way to meet new friends," Ramirez explains. "I ended up sticking with (the sport)."

The 21-year-old sailor, also a junior blackbelt in tae kwon do, trains locally for 21/2 hours each day, combining weightlifting and cardiovascular workouts with his routine. Ramirez also competes about once every two months in smaller matches, in addition to the nationals. He aspires to make the U.S. Olympic team one day, but doesn't plan to go professional.

"I want to live longer," jokes Ramirez.

Avelino Ramirez (above) stands with his first-place trophy from the Open National Full Contact Karate tournament, held in July. A second-degree blackbelt in Shorinji Kenpo, he demonstrates techniques (below) used to win his second national middle weight title.

The *Quarterdeck* is published weekly by the Public Affairs Office in accordance with NAVSO P-35. Views and opinions expressed are not necessarily those of the Department of the Navy. Deadline for all submissions, including classified ads and items for the campus calendar is noon Thursday. *The Quarterdeck* phone number is 656-2113.

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Produced by the Public Affairs Office

Letter to the Editor...

Reference letter to editor, *The Quarterdeck*, Issue 22, dated June 9, 1994.

Who is Lt. Cmdr. Cunningham to tell me I am lacking in moral fiber because my opinion is not the same as his? The reason I did not give Col. Hackworth a standing ovation when he entered is because I had no idea who he was or what he was about. Even if I had, I believe that a standing ovation itself is an expression of one's opinion.

I stood for Admiral Stockdale because I knew of him, had read some of his writings, and admired him--none of which I could say about Col. Hackworth.

As for the medals, most of us here at NPS do not have medals for valor because there have been few opportunities since Vietnam. Oliver North is a decorated Vietnam veteran, but I sure wouldn't give him an ovation.

--Lt. Nancy C. Paulsen

***The Quarterdeck* welcomes letters to the editor about topics of interest or concern to readers. Letters may be sent to the PAO by guard mail at Code 042 or via e-mail at josanders@nps.navy.mil. Letters shouldbe typed and double spaced, and should not exceed 500 words.**

Navy's top oceanographers review FNMOC programs

by Ens. George Beiter, Fleet Numerical Meteorology and Oceanography Center

The annual operational meteorology and oceanography program review was held by the Oceanographer of the Navy on June 13-14 at the Fleet Numerical Meteorology and Oceanography Center. The program review is a formal evaluation of FNMOC's entire meteorology and oceanography program.

In attendance at this year's review were the Oceanographer of the Navy RADM G. L. Chesbrough and his relief, RADM G. W. Davis VI, and the Commander, Naval Meteorology and Oceanography Command, RADM J. E. Chubb, and his relief, RADM P. G. Gaffney II.

The review included assessment of meteorology, oceanography, information technology, communications, budgeting, and interagency cooperative efforts on the peninsula.

FNMOC's mission is to provide responsive and high quality meteorological and oceanographic automated numerical guidance and information to Navy and other DOD activities worldwide. Such guidance and information is then applied to ensure force readiness and sustainability, increase the safety of forces, and optimize the use of platforms, weapons, sensors, and facilities.

The review team recognized several programs for their successful development and use. Among these were the Oceanographic and Atmospheric Support and Information System, Distributed Processing System, Primary Oceanographic Prediction System. The command was also commended for its transition of two global forecasting models, the Navy Operational Global Atmospheric Prediction System and Navy Operational Regional Atmospheric Prediction System, to run on the center's new Cray C-90 supercomputer.

The team noted the valuable synergism between FNMOC, Naval Research Laboratory's marine meteorology division, the NPS meteorology and oceanography departments, the National Oceanographic and Atmospheric Administration's Ocean Applications Branch, National Weather Service, and NOAA's Pacific Fisheries Environmental Group. A projected move of the National Marine Prediction Center, a branch of the National Meteorological Center in the Washington, D.C. area, to the NPS annex will further strengthen the interagency collaboration.

(An interview with two members of the review team appears on pages 4 and 5.)

Navy oceanogragphers speak about future

The following is an interview with Rear Adm. John E. Chubb, former commander, Naval Ocean ography Command, and his replacement Rear Adm. Paul Gaffney. Change of command ceremonies were held Aug. 15. They were interviewed by Ens. George Beiter, public affairs officer at Fleet Numerical Meteorology and Oceanography Center.

Q **As the Navy continues to transition from a bluewater Navy, what changes do you foresee in the meteorology and oceanography community?**

A *Chubb*: Well, I see a lot of changes. Anyone who has operated in the coastal or littoral area knows the meteorological and oceanographic parameters become much more important than in the bluewater. Certainly there are more variables involved. They change in time and space a lot more dramatically. People operating near shore have a shorter reaction time to make decisions and implement them because presumably the enemy is much closer at hand. Quicker answers to questions will tax our ability to gather info, process it and render it into something that's useful for the decision-makers.

Q **In this littoral environment, what types of products do you foresee as fleet-critical to decision-making processes?**

A *Chubb*: Both those for air and sea ops. In order to operate aircraft, two critical things come to mind. One is the refractive effects of threat radar systems to friendly forces. The atmosphere, with shadow zones and ducting areas, plays a rather dramatic effect on the ability of radars. The second is plain old weather itself. If you are calling away an air strike, the air tasking order (ATO) is generally developed about 24 hours in advance and includes time of launch, target assignment and weapons to be employed. You need to know what the weather over the target is going to be at least 24 hours in advance in some detail so that you can pick the right weapon. It makes no sense to order up a laser guided bomb if there is going to be fog or a 500 feet cloud layer over the target. When you get there you won't be able to use it. We don't generally bring those very expensive weapon systems back aboard the carriers because of the danger of trap landing. Also we have seen a good deal of development like RPV's (Remotely Piloted Vehicles) to do recon over the battle fields. They are very small, light-weight unmanned aircraft. Launching, recovering, and operating them in real weather require some attention. Maybe they won't be able to operate if there are thunderstorms, low clouds, turbulence, snow, sleet or icing conditions. What will the conditions be six hours later when it's time to recover them? Do you have to take them somewhere else to land them?

Rear Adm. John E. Chubb

Q **Admiral Gaffney, as a former CO of NRL, how do you view the relationship with NRL and the meteorology and oceanography command both present and future?**

A *Gaffney*: I thought some of the very best successes of the many programs that came out of NRL, an $800M organization, were in meteorology and oceanography because we were collocated with the Naval Meteorology and Oceanography Command, both at Monterey and Mississippi.

Chubb: Not only are the people collocated but they use much of the same equipment which means that the models being implemented into operations and the research end are done on the very machines that they end up running on operationally.

Gaffney: Not just computers but also data collection assets at sea are shared. We're talking about using some of the same platforms.

Q **Your feeling on the impact of downsizing and the BRAC Act. Do you foresee the meteorology and oceanography command sustaining much of a downsizing in the future?**

A *Chubb*: Eleven of my command activities are already or are scheduled to be closed with the BRAC process. On one hand that is really pretty significant considering opportunities for sailors to practice their business are going away. The other side is that never before, during my tours

as an oceanographer, have I seen a greater demand for the decision making help that the METOC business brings. So while we have to close command activities, we've added quite a number of METOC specialists to commands all around the world. If there is a downsizing aspect that will impact us beyond the BRAC, it will simply be in the number of dollars available within the DoD.

Q **Do you feel that with the closing of these 11 installations and with, as you've said, possible budgets cuts, that the METOC command will still be able to maintain the same level of readiness to the fleet?**

A *Chubb*: I think it depends a little bit on the level of the cuts. So far, we have been able to exploit some technological innovation to offset some dollar cuts. The day I took command, we had 12 ships in the field. Today we are struggling to keep eight. The one squadron of aircraft used to collect oceanographic data all over the world is gone. As far as maintaining the same level of readiness with additional cuts, I would have to unequivocally say no; we could not sustain the same level of readiness.

Q **As the Navy becomes more competitive, there seems to be more of requirement for the Naval Officer to have a higher degree of education. Do you feel that this, coupled with the fact that products are becoming more automated, will eliminate the need for the 1800 officer in the future?**

A *Chubb*: No, in fact, quite the contrary. Even today I was shown a demonstration of new technology for ships, and much of it is automated. They brought up a picture of the sea surface temp field in the North Atlantic. It wasn't right! And yet if it had been untouched, unseen, and transported into a tactical decision aid, it could have rendered serious errors in the decision-making process. We need smart professionals. Technology does wonderful things, but we should be aware of the fact that technology is there to relieve the menial tasks and not the mind tasks of this business.

Q **Admiral Chubb, as you get ready to leave the position of Commander, Naval Meteorology and Oceanography Command, what are your perceived strengths and weakness's of the METOC command?**

A *Chubb*: Well clearly the people are our strength. Uniformed officers and enlisted, civilian and scientists, engineers, technicians,and the support people. We could not have sustained the kind of change that we have in the past, if we had not had the dedicated, smart and motivated people to carry them out. In less than six years we have completely made over this command from top to bottom. This isn't something that I've done or that my predecessor, Admiral Koehr uniquely did; it was a community effort. There is virtually no piece of equipment in any operating space that is more than five years old. The technology, the application programs, the focus have all required an almost Herculean effort by the people. I will leave the command to Admiral Gaffney fully convinced that the people part of that equation is not at all broken. Part of our blessing is that we access most officers by lateral transfers from the unrestricted line and it's a very competitive process to become an oceanographer. Within the AG community, sailors are being trained on the latest, best equipment that we can present.

Q **Admiral Gaffney as you get ready to take over command. Do you foresee any strengths or weaknesses in the METOC community? Have you set any goals you would like to accomplish?**

A *Gaffney*: I don't see any weaknesses. I have been ADM Chubb's guest for the program reviews here in Monterey this week and in MS a week ago, and I was incredibly impressed by the quality of the people. I think that my responsibility as CO, if you will, is to keep them happy and motivated, keep the morale up so with their own God-given talents, they can continue to make this place good, even better than it's been.

Chubb: ...Fleet Numerical Meteorology and Oceanography Command has something that is absolutely unique and touches everybody in the Navy. There is not a ship that puts to sea or is at sea anytime, anywhere in the world; there is not an airplane in the US Navy that takes off anywhere in the world; there isn't a Marine getting ready to go ashore, anywhere in the world, that doesn't have a product from this institution right here. Think about that 24 hours a day, 7 days a week, 365 days a year. That's a pretty heavy responsibility!

Rear Adm. Paul Gaffney

Calendar

Goal setting workshop
Wednesday, August 24

The Family Service Center is sponsoring a brown bag workshop on "Reaching your potential through goal setting." The workshop will be from noon to 1 p.m. in Ingersoll Hall, Room 267. Open to everyone. Call 656-3060/3141 for reservations.

Red Cross Class
August 25 and 27

The Fort Ord American Red Cross will offer the Community First Aid and Safety Class in a special two-day session. This course teaches rescue breathing, choke saving and CPR techniques for infants, children and adults. It will also discuss basic first aid and safety. Course fee is $18 and includes the workbook. For more information and registration call 242-7801.

Kelp Klimbers meeting
Thursday, August 25

The Kelp Klimbers Diving Club will hold their monthly meeting in the DLI Recreation Center TV Room at 7 p.m. The club is open to all military students, faculty, staff, federal employees and their family members. For more information call 242-7322.

Come join the Historical Botanical Society this Saturday from 9 a.m. - 2 p.m. to restore the Arizona Garden (shown above) to its original beauty. Help plant succulents and cacti to rebuild 50 beds that made up the once world-famous garden. Tools and refreshments provided. For more information call 656-3192.

Summer Dance '94
Friday, August 26

The National Naval Officer's Association and Kappa Alpha Psi Inc. are sponsoring this end of summer dance from 9 p.m. to 1:30 a.m. at the American Legion #694 Post in Marina. Cost is $6 in advance or $8 at the door. Music will be by Sir Jam-a-lot. For information contact Lt. Timothy Tutt at 646-0396 or Capt. Ira Cheatham at 422-7191.

Budgeting class
Wednesday, September 7

A "Budgeting for Baby" course is now being offered by the Navy and Marine Corps Relief Society. This 3-hour class is offered the first Wednesday of each month from 9 a.m. to noon. It is open to all ranks and services. For more information call at 373-7665 or Cindy at 373-0342.

Bargain Fair
Saturday, September 10

The Officer Students Spouses Club will host the quarterly Bargain Fair from 10 a.m. to noon at La Mesa School. Those interested in selling items at this consolidated yard sale must be at least 18-years-old and a La Mesa resident, student, spouse or NPS staff member. Space must be reserved August 29. Volunteers willing to help with check-in, traffic and crowd control will be permitted to shop early for the best bargains. For more information call Maureen Olsen at 647-9157.

Navy Exchange News

AUGUST SPECIALS:

* Every Wednesday and Thursday-$1.00 off haircuts at the Main Barber Shop.
* Snack Cart Special-Baked potato,broccoli and cheese special-$1.75 Reg-$1.95.
* 10% off hemming of men's and women's skirts or slacks
* Kim's Watch Repair Grand Opening Special-10% off battery replacement.
* Lube, oil and filter change-$18.95 at the Auto Service Center (Pennzoil,Castrol,Quaker State or Mobil oil).

Tennis action

On Saturday, Sept. 10, the NPS Tennis Association will be hosting a Doubles Tournament. All active/retired military, DOD civilians, and their dependents are invited. All skill levels welcome. There will be a mens and ladies divisions, prizes, and a free t-shirt for those who register by Sept. 2. Grab a partner and don't miss this one day event! For more information call Kori Pennypaker at 375-6277.

Speaking out

Come join the Naval Postgraduate Toastmasters Club and improve your public speaking skills. Meetings are every Friday at 12:10 p.m. in Herrmann Hall East Wing, Room 203E. For information contact John Brown at 372-6484 or Calvin Slocumb at 384-4827.

USN birthday

Officers of the Naval Postgraduate School and retired naval officers of the Monterey Peninsula are invited to celebrate the Navy's 219th birthday on Oct. 15. The annual birthday ball will be held in the Barbara McNitt Ballroom in Herrmann Hall. The evening will begin at 6:30 p.m. with cocktails and hors d'oeurves, followed by dinner at 7:30 p.m. The uniform will be dinner dress whites or appropriate formal civilian attire. Tickets go on sale Saturday, Sept. 17, in the Trident Room in Herrmann Hall. Cost is $30 per person. For more information call Susan Everingham at 375-1926 or Cindy Martin at 646-8910.

Shooting match

The Naval Institute invites entries for its 33rd annual Naval and Maritime Photo Contest. The contest is open to both amateur and professional photographers. The Naval Institute will award cash prizes of $500, $350, and $250 to the photographers of the top three entries. All photos submitted must pertain to a naval or maritime subject and must be black-and-white prints, color prints or color transparencies. For more information stop by the Public Affairs Office in the basement of Herrmann Hall.

Getting fit

A new step-aerobics class has started at the NPS Multi-purpose Room on Monday and Wednesday from 3:45-4:45 p.m. Monday is the "Below the Belt" class and Wednesday is "The Works." Cost is $2 per class. MWR also offers the 5 to 6 p.m. step-aerobics classes Monday through Friday. For more information call Jenean at 649-2398 or Lynne at 375-1422.

Medical news

Premiums for the Active-duty Dependents Dental Plan will increase on Oct. 1. The increase will be assessed beginning with the Sept. 1994 payroll deduction. The increase will be 35 cents for one enrolled AD family member and 70 cents for AD sponsors with two or more enrolled family members. For more details call the Coordinated Care Division at 242-0304/0308.

The VA Clinic of Monterey is in Marina and open Monday through Friday from 8 a.m. to 4:30 p.m. It provides primary care to all eligible veterans. The clinic will be initially located at 3058 Del Monte Blvd., in the Cyprus Point Center. Appointments and information care available by calling (408) 384-9803.

Leave Transfer

Delmarie Coston of the Physics Dept., Kathleen Luke and Kathi Moore of the Comptrollers Dept., Mitch Nichols of the Photo Lab, and Constance Brown of FNMOC are under the care of a physician and have exhausted their leave balance. Civilian employees who wish to donate annual leave should contact Martha Ramirez at 656-3277 for further information.

Survey will evaluate health care services

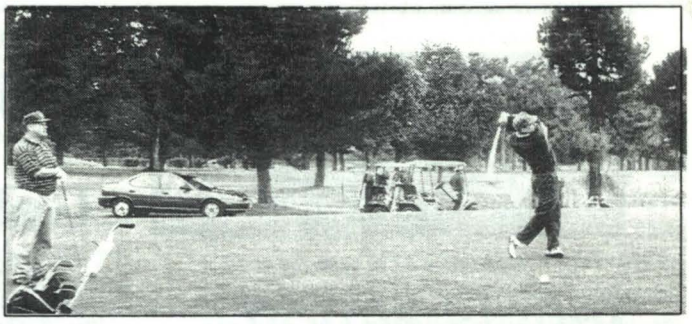
from Aetna

Many CHAMPUS beneficiaries belonging to the TRICARE Prime program in California will soon have the opportunity to tell Aetna Government Health Plans (AGHP) just what they think about their health care plan. AGHP, which has administered the CHAMPUS program for more than 850,000 military family members and retirees in California since Feb. 1, is taking the pulse of its beneficiaries by means of a multi-question survey which has been mailed to a random sampling of TRICARE Prime members.

The purpose of the written survey, which will collect data from TRICARE member households, is to gather input which will help AGHP evaluate customer service, medical provider service and assess future needs for programming and services, according to Robert H. Kaplan, vice president of AGHP/CHAMPUS division.

"We want to thank our beneficiaries for their patience and cooperation, and hope that anyone who is mailed a survey will understand the importance their input will have on the process and will take a few moments of their time to participate," Kaplan said.

Battle on the links



The Surface Navy Association (SNA) held it's semi-annual golf tournament at the Navy Golf Course on July 29. Over 140 golfers, including Rear Adm. Thomas Mercer, NPS superintendent, took a "shot" at winning a new car for a hole-in-one, but to no avail.

The top three teams won rounds of golf at area courses. The first place team, which included Lt. Jeff Hogan, Cdr. Ray Turner, Lt. Cmdr. Tim Green and Lt. Steve Carlos, won a tee time for four at Old Del Monte Golf Course. Prizes were also awarded for longest drive and closest to the pin competitions.

The SNA would like to thank everyone who participated. The next tournament will be in late January. Applications will be out the first week of the winter quarter. Remenber, SNA members save five dollars on entry fees, so if your not a member yet sign up! -- *Lt. Scott Pratt*

Classifieds

For sale

9600 BAUD internal modem, $49. Call 455-9434

VERTICAL BLINDS rose/white, fit three windows for mainly Stillwell housing, $95. Call 393-9143.

1984 FIERO, red, 50k on new engine. Runs and looks great. All maintenance records available, $1600. Call 375-6277.

GRADUATION SALE! Futon 9-months old, $280; Aprica baby stroller, $80; electrical appliances, table/chairs, chest-set/bed, kitchen & dinner ware, lamps, baby toys, etc. Call 655-9689.

LADIES 5-SPEED BIKE, excellent condition, includes, light, rack and pump, $125/obo. Call 899-6638.

16 ft HOBIE CAT all accessories, galvanized trailer, sails and hull, excellent condition, $1200/obo. Must sell. Call 647-8410.

1988 FORD ESCORT GT white, 77k mi., excellent condition, new front tires, ps, pb, sun roof. Drives like a charm, $3600. Call 373-7324 after 5 p.m.

NEW GOODYEAR TIRES two, size 195/60 HR14, $50 each (you save over $100). Call 373-8526.

PENTAX K1000 SLR CAMERA with 50 mm lens, $80; Ensoniq digital piano keyboard-76 keys, grand piano sound in a portable keyboard, $500 (over $1200 original cost). Call 393-9553.

STARCRAFT TENT TRAILER 24 ft, sleeps six, extra storage, hot/cold water, furnace, refrig., elec. brakes. Excellent condition, $4095. Call 372-8632.

CHEVROLET V-8 ENGINE, 350 cubic inch from Chevy Blazer. Repairable (problem with one rod bearing), incl. heads, $325. Call 373-4560.

1989 MAZDA PICK-UP 36k mi., a/c, am/fm/cass., 5-speed, includes shell and bed liner, $6000/obo. Call 384-3538.

1983 HONDA SILVERWING 650 cc, new tires, new radiator, new paint, extras incl., $1,300/obo. Call 883-2943 after 6 p.m.

HOME EXERCISE UNIT 15-in-1 system (Soloflex clone), perfect condition, $225/obo. Call 372-7199.

UNIFORM SALE dress white 41 reg. and 39 long, only $40. Call 375-6019.

For Rent

ONE BEDROOM APARTMENT full kitchen w/microwave, laundry, 1/2 block from NPS. Clean, quiet, comfortable, $525/mo. incl. all utilities. Non-smoker please. Call 373-4560.

APARTMENT 2 bdrm/1 bath, 2-car garage, washer/dryer hook-up. Top floor, open floor plan, great views. Off Franklin St. near DLI. Call 375-4651.

CONDO NEAR PALM SPRINGS. Free golf! Spend Christmas week soaking up the desert sun on the links or by the pool. Hurry, only one-week left, $400. Call 372-8206.

Misc.

Found: Casio watch at library parking lot (near motorcycles). Identify & claim at the Quarterdeck (Herrmann Hall).