...news from
The University of Texas
Marine Science Institute

Volume 1, Issue 1, 5 June 1992
Port Aransas, Texas 78373-1267

MSI's Lazarette Gazette

Cruise Reports & Boat Operations

R/V LONGHORN's NECOP Cruise "big success" -- The *R/V LONGHORN* participated in a 20 day collaborative cruise in May with three other ships (*GYRE, PELICAN, and CHAPMAN*) as a part of the NOAA program of Nutrient Enhanced Coastal Ocean Productivity (NECOP). UTMSI participants of the multidisciplinary investigations were Terry Whitledge, Dean Pakulski, Rainer Amon, Rich Bartlett, David Shormann, and Ned Smith. Other investigators hailed from the Great Lakes Environmental Research Laboratory (GLERL) and Texas A&M University (TAMU). Terry Whitledge of UTMSI was chief scientist in the study on the shelf regions of the Gulf of Mexico. The high nutrient content of the riverine flow produces intense phytoplankton growth and bacterial degradation rates which create large areas of low dissolved oxygen in bottom waters over the Louisiana/Texas continental shelf. Dr. Whitledge was investigating the nutrient distributions and dynamics, while Dr. Benner's group studied dissolved organic carbon distributions and bacterial process rates. Riverine samples were concentrated in the nearshore river plume, the middle shelf region of hypoxia and an offshore reference station. Several new pieces of scientific gear were used including a SeaBird 911 Plus Conductivity/Temperature/Depth (CTD) profiler with oxygen and light transmission sensors, squirrel data logger, and radioisotope van. More than 140 stations were occupied during the 20 day cruise and all scientific objectives were accomplished.

Cruise #92-585 -- is currently underway (June 1 -- 14); Senior Scientist: Dr. C. Kennicut of Texas A & M University; sponsor: National Science Foundation; scientific discipline: Chemical Oceanography; Project Title: *Stable Carbon and Nitrogen Isotopic Compositions of Selected Organic Compounds*. The work is in Corpus Christi and Aransas Bays. Dean Stockwell of MSI is a participant.

Long term schedule -- June 19--21, class trip, Suttle; June 25, class trip, Montagna; June 26--29, class trip, Dunton; July 17, class trip, Behrens; June 31, class trip, Behrens; August 7--9, class trip, Behrens; August 15--31, TIO/TAMU, second cruise for Gulf Cet., Evans; October 22--31, NECOP, Wiseman & Boicourt; November 1--15, TIO/TAMU, third cruise for Gulf Cet., Evans; May (1993) 7 days, second week, Donald Swift, Old Dominion U.

R/V KATY hard at work in May -- during May the *KATY*'s major voyage was to Port Isabel to participate in the NSF sponsored minorities workshop program being conducted by Rick Tinnin, but she was extremely busy the entire month with two short cruises virtually every weekday and many others on weekends.

Smallboat trips in May -- *KLEBERG*, 4 trips; *JETBOAT*, 3 trips; *SONNY MAC*, 2 trips; *JEFFERSON*, 1 trip; *BIG WHALER*, 2 trips.

Trip Reports & Travel

Pole to Pole -- Dunton Returns from Arctic --Marine scientists from UTMSI returned from northern Alaska last month after spending an exciting month working on and diving through Arctic sea ice. The major focus of the expedition was to collect under-ice measurements of photosynthesis in high arctic kelp, which appear to possess unique physiological adaptations to living under the low temperature and light regimes characteristic of high arctic environments. The research was funded by an equally unique cooperative effort; the science was funded by a three-year grant from the National Science Foundation while BP Exploration (Alaska), Inc. provided all logistical support, which included accommodations on Endicott Island, an oil production facility in the Beaufort sea. The participants from UTMSI included Ken Dunton, the principal investigator, Bill Henley, a post-doc working with Ken on algal photo-physiology, and Mike Dibble, a graduate student working with Ken on nutrient uptake by arctic kelp. For Ken, the trip marked fifteen years of nearly uninterrupted field work in the Arctic; it was Bill Henley's first truly high arctic adventure and for Mike Dibble, who is also a dive instructor, it marked his first under-ice dives. The group from UTMSI was joined by several other scientists and technicians that assisted in various other aspects of the project. The underwater research effort was aided greatly by very clear water and an unusually clean ice, which allowed substantial light penetration into the water despite an average ice thickness of over six feet. Underwater visibility was therefore virtually unlimited. Because of the relatively shallow depth of the benthic kelp community (20 feet), the divers were able to log dives that averaged nearly an hour, despite the cold water temperature (-1.8°C, 28°F). Highlights of the trip included watching Bill Henley write his name in the snow, a couple of major arctic storms which produced wind chills of -85°F, and some fairly exciting rides in rolligons (giant multi-terrain vehicles) over large ice rubble fields. Divers were also treated to underwater acrobatic shows by a ring seal that used the diving holes as breathing holes during their three-week stay on the ice. Representatives of many of the animal and plant species that inhabit the arctic seabed were shipped to UTMSI where they are maintained in aquaria in Dunton's arctic coldroom facility. These organisms are being used in experimental work conducted by Bill Henley and Mike Dibble and in educational programs at H.G. Olsen Elementary School in Port Aransas. The research team returned with a substantial amount of data and samples which are now being analyzed, and plan to return to the Arctic once again this summer for the open-water season.

Pole to Pole -- Amos Returns from Antarctic -- Tony Amos recently returned from the second of two trips to the Antarctic to study the circulation of the southern ocean and its relationship to the abundant organism called krill. Krill, known scientifically as *Euphasia superba*, is the staple diet of most of the whales, dolphin, seals, penguins, and sea birds in the waters surrounding the icy continent. On first glance, it looks like a shrimp (hardly a Texas "U-Peelum"). Only two inches long fully grown, it is present there in sometimes awesome abundance. Krill "swarms" can make the water look red. In the good old days, before being reduced by whaling to near-extinction, the great whales ate huge quantities of krill. Now, fishing fleets from several nations are doing just the same thing with their nets, playing "surrogate whale". They use krill to produce such exotica as krill sausage, cattle fodder, and whole krill packaged for the supermarket. The first project, supported by NSF, is a 4-year effort known by the acronym of RACER (Research on Antarctic Ecosystem Rates). Now in its final year, it involves researchers from UT, U. of Hawaii, Scripps Institute of Oceanography, and universities in Chile, and Argentina. In Tony's last field expedition aboard the Norwegian *R/V POLAR DUKE* in December/January, no fewer than 10 nationalities were represented. Things got interesting when a scientist from Singapore had to communicate in English with a winch driver from Chile and the ship's officers from Norway. Crossing the Antarctic Circle, they traversed the spectacular Gerlache Strait, LeMair and Grandidier Channels, encountering heavy ice and the most beautiful scenery Tony has seen in almost 30 years in Antarctica. Not quite so pretty, but awe-inspiring nonetheless was the scenery from the January through April trip aboard the NOAA Ship *SURVEYOR*. This NOAA-supported research investigates the predator (fur-seal, chinstrap penguin) - prey (krill) relationship around the rugged Elephant Island area of the South Shetlands. UT seagoing technicians Jeff Heimann and Margaret Lavender assisted P.I. Tony Amos on the trip which included four

crossings (two roundtrips) of the stormy Drake Passage and visits to the penguin and sea rookeries on remote Seal Island. On these cruises, UT collected some 500 profiles of oceanographic data, several thousand water samples and continuous records of oceanographic and meteorological data while the ships were underway. Coming up in July, a rare mid-winter trip to the ice aboard the new U.S. research icebreaker *NATHANIEL B. PALMER*. Tony Amos, Margaret Lavender, Andrea Wickham, Judy Roberson, and guest researcher Jian-Hwa Hu from Taiwan will make up the UT team.

May Travel --

✈*Rick Tinnin*, May 29--31, South Padre Island, to represent MSI at HMCU minority workshop for faculty and students at UT's Pan American Coastal Studies Lab.

✈*Curtis Suttle*, May 26--30, New Orleans, attend American Society of Microbiology annual meeting.

✈*Allen Davis, Connie Arnold,* May 20--26, Orlando, present paper, *Evaluation of five carbohydrate sources for Penaeus vannamei* at World Aquaculture Association conference.

✈*Joan Holt, Philippe Douillet,* May 20--26, Orlando, present paper, *Evaluation of chemicals for surface-disinfection of red drum (S. ocellatus)* at World Aquaculture Association conference.

✈*Rick Tinnin*, May 20--21, Beeville, to present *Project Ocean* at R.A. Hall Elementary.

✈*Scott Holt, Kathy Binney, Cameron Pratt*, May 19--21, Port Mansfield, ichthyoplankton collections/brown tide field work.

✈*Cecilia Riley*, May 18--19, Baton Rouge, larval fish identification work at Louisiana State University.

✈*Ron Benner, Dean Pakulski*, May 16--27, Bermuda, participate in NSF sponsored cruise for measurement of Dissolved Organic Carbon (DOC) in seawater.

✈*Ned Smith, Terry Whitledge, David Shorman, Dean Pakulski, Richard Bartlett, Rainer Amon,* May 13--21, LUMCON, Cocodrie, Louisiana, participate in NECOP cruise.

✈*Peter Thomas*, May 11--13, Los Angeles, conduct pilot studies on NOAA project.

✈*Tony Amos*, May 7--10, Annapolis, attend National Research Council Committee meeting on shipboard waste.

✈*Robert S. Jones, Scott Holt, Connie Arnold,* May 6, Palacios, participate in site review of Texas Parks and Wildlife Department's Perry R. Bass Marine Fisheries Research Station.

✈*Ed Buskey, Susan Brown,* April 30--May 11, Galveston, participate in cruise on R/V GYRE as supplemental study to LATEX.

✈*Richard Scalan, Patrick Parker, Beth Trust*, April 30--May 2, Beaumont, attend Southern Regional Geochemistry meeting.

Publications

Publications in Scientific Journals:

828. BUSKEY, E.J., S. STROM and C. COULTER. (in press). Bioluminescence of heterotrophic dinoflagellates from Texas Coastal waters. *J. Exp. Mar. Biol. Ecol.*

831. BUSKEY, E.J. (in press). Epipelagic planktonic bioluminescence in the marginal ice zone of the Greenland Sea. *Marine Biology.*

832. DUNTON, K.D. (in press). Arctic Biogeography: The paradox of the Marine Benthic Fauna and Flora. *Trends Ecol. Evol.*

833. BUSKEY, E.J., S. STROM, and C. COULTER. (in press). Locomotory patterns of microzooplankton: potential effects on food selectivity of larval fish. *Bull. of Mar. Sci.*

834. MONTAGNA, P.A. and R.D. KALKE. (in press). The Effect of Freshwater Inflow on Meiofaunal and Macrofaunal Populations in the Guadalupe and Nueces Estuaries, Texas. *Estuaries.*

Miscellaneous Publications:

92-001 SUTTLE, C.A. (in press). Enumeration and isolation of viruses. In: Current Methods & Aquatic Microbial Ecology, P.F. Kemp, F.B. Sherr, E.B. Sherr, J.J. Cole (ed.), Lewis Publishers.

92-002 BENNER, R. (in press). Radiotracer approaches for the study of plant polymer biodegradation. In: Current Methods in Aquatic Microbial Ecology, P.F. Kemp, B.F. Sherr, E.B. Sherr, J.J. Cole (eds.), Lewis Publishers.

92-003 SUTTLE, C.A., F. CHEN, and A. CHAN. (in press). Marine Viruses: Decay rates, diversity and ecological implications. In: Short Communications of the Invited Lectures. International Marine Biotechnology Conference "IMBC-91". Developments in Microbiology Series, C.C. Nash II (ed.), W. Brown Co.

92-004 BUSKEY, E.J. and D.A. STOCKWELL. (in press). Effects of a persistent "brown tide" on zooplankton populations in the Laguna Madre of S. Texas. In: Toxic Phytoplankton Blooms, T.J. Smayda and Y. Shimizu (eds.), Elsevier Publishers.

92-005 WHITLEDGE, T.E. (in press). The Nutrient and Hydrographic Conditions Prevailing in Laguna Madre, Texas Before and During a Brown Tide Bloom. In: Toxic Phytoplankton Blooms, T.J. Smayda and Y. Shimizu (eds.), Elsevier Publishers.

92-006 STOCKWELL, D.A., E.J. BUSKEY, and T.E. WHITLEDGE. (in press). Studies on conditions conducive to the development and maintenance of a persistent "brown tide" in Laguna Madre, Texas. In: Toxic Phytoplankton Blooms, T.J. Smayda and Y. Shimizu (eds.), Elsevier Publishers.

Theses and Dissertations

SAFFORD, SUSAN. Purification and Chemical and Biological Characterization of Prolactin and Somatolactin, and Partial Chemical Characterization of Growth Hormone from two Marine Teleosts, Red Drum (*Sciaenops ocellatus*) and the Atlantic Croaker (*Micropogonias undulatus*). Ph.D. (Zoology) The University of Texas at Austin, Jan. 1992.

HOFF, GERALD RAYMOND. Environmental and Biological Factors Affecting Incorporation of Organic and Inorganic constituents into Otoliths of Red Drum *Sciaenops ocellatus*. M.A. (Marine Science) The University of Texas at Austin, April 1992.

Seminar Schedule

First Summer Session -- Wednesday Evenings at 7:00 -- MSI Auditorium

June 3 .... Anthony Amos - *Mustang Island, Texas: Its Beach, Dunes, Waters, Tides, Storms, Backside, Birds, Trash (and everything).*

June 10 .... Paul Montagna - *Benthic Ecology of the Laguna Madre.*

June 17 .... Ken Dunton - *Aspects of Growth and Photosynthesis in Macrophytes from Light-Limited Environments.*

June 24 .... Ron Benner - *Composition and Reactivity of Dissolved Organic Matter.*

July 1 .... Peter Thomas - *Effects of Chemicals on Reproductive Endocrine Function in Atlantic Croaker.*

Grants & Contracts

Awarded in May 1992

91-35/1 **R. Benner:** $70,481 (05/01/92-04/30/94), "Dissolved Organic Matter and Heterotrophic Microbial Activity," Louisiana Universities Marine Consortium /Dept of Energy, Subcontract MSI-92-1/Project 6740132 (Yr 1 of 2).

91-44/1 **R. Benner:** $29,776 (03/15/92-08/31/93), "Bacterial Carbon Metabolism in the Amazon River," University of Washington/National Science Foundation, Subcontract 519393 (Yr 1 of 2).

91-60 **J.H. Thompson:** $66,817 (05/15/92-04/30/93), "Shipboard Scientific Support Equipment," National Science Foundation, OCE-9122951.

92-06/1 **T.E. Whitledge:** $45,895 (06/01/92-05/31/93) "Buoyancy and Nutrient Exchange in the Mississippi River Outflow Region," Texas A&M University-Sea Grant College Program/NOAA/NECOP; NA990AA-D-SG689; Ltr Agmt Amend 05/18/92 (*conex 90-10*).

92-07/1 **R. Benner:** $55,133 (06/01/92-05/31/93), "Organic Matter Decomposition, Nitrogen Recycling, and Oxygen Depletion in the Mississippi River Plume/Gulf Shelf Region," Texas A&M University-Sea Grant College Program/NOAA/NECOP, NA990AA-D-SG689; Ltr Agmt Amend 05/18/92 (*conex 90-11*).

92-08 **J.H. Thompson:** $162,000 (02/15/92-03/31/93), "Ship Operations—R/V Longhorn," National Science Foundation, OCE9207130.

92-11 **T.E. Whitledge:** $70,000 (02/01/92?-08/31/92?), "Biological Monitoring of the Effects of Diverted Inflow and Return Flows into Nueces Bay: Phase II," South Texas Water Authority. In Process 5/92.

92-16 **A.F. Amos:** $2,500 (04/01/92-08/31/92), "Marine Turtles", NOAA/National Marine Fisheries Service, P.O. 40WCNF202493.

Library

Library Orientation -- is scheduled the week of June 8--12 from 9 to 9:45 each morning. Small groups are preferred (6 to 8). Please sign up in the library for the session you prefer. Classes will be filled on a first-come basis.

Discovery Reports -- A nearly complete set of the *Discovery Reports* has been moved from PCL (the main library at Austin) to MSL (Marine Science Library). The *Discovery Reports* are the reports from the research vessel *DISCOVERY* on the Antarctic Ocean.

Marine Education Services

Activities for May -- The MES program hosted 30 groups for a total of 915 students who participated in cruises aboard the *R/V KATY* guided by Jeff Heimann and Captain John Turany. Over 1,200 elementary students from two **OCEANS WEEK** celebrations were visited by MES staff. An additional 16 school groups totalling 1,180 students were toured through the Visitors Center by Linda Fuiman. Three different workshop activities with a total of 101 participants were also hosted. On May 1-3, 55 elementary teachers from across the state enjoyed a weekend full of hands-on classroom activities designed to bring the ocean into the classroom. They also participated in a collecting cruise aboard the *R/V KATY* and explored the rock jetty, marshes and mangrove and sea grass habitats of the area on field trips. On May 13-17, 18 Junior College faculty from across the nation participated in a CHAUTAUQUA type short course on "Barrier Island Geology and Ecology". The workshop was led by Dr. Robert Morton, UTBEG and Rick Tinnin. During the workshop, participants surveyed Mustang and Padre Islands from the Gulf beach across the vegetated barrier flat and into the bay and lagoon environments behind the islands. Other field trips included the rock jetty, marsh and mudflat and submerged seagrass habitats. On May 30th, MES staff and the *R/V KATY* participated in a SAML/HMCU Minorities workshop held at the UT-Pan American Coastal Studies Laboratory at South Padre Island. Twenty-eight Junior College faculty and students from El Paso, Laredo, San Antonio and Brownsville participated in a day-long series of presentations by the UT-Pan American biology faculty and in a half day collecting cruise aboard the *KATY*. Two schools held their OCEANS WEEK celebrations in May. On May 12, Rick Tinnin visited the Flour Bluff Elementary School's third grade classes and presented information about the marshes and mudflats habitat to over 550 students. On May 21st, Rick went to R.A. Hall Elementary in Beeville to work with over 650 students. The grand

total of students, teachers and faculty who participated in MES programs for the month of May was 3,396. ●*May 1* -- Allen HS, 16; Lockhart HS, 25 ●*May 1-3* -- MES Elementary Workshop, 55 teachers ●*May 3-4* -- Ralls HS, 25 ●*May 3-6* -- Lubbock HS, 28 ●*May 4* -- Beeville HS, 25 ●*May 4-5* -- Lee HS, 35 ●*May 6* -- Seguin HS, 50 ●*May 7* -- River Oakes School, 100 ●*May 8* -- Marion ISD, 25; Gonzales MS, 25 ●*May 8-9* -- Gonzales MS, 25; Alamo Heights MS, 25; Decatur MS, 25 ●*May 10-12* -- Mineral Wells HS, 25; Dripping Springs MS, 25 ●*May 12* -- Cedar Valley Jr. College, 25; Taft HS, 25; Flour Bluff 3rd Grade **Oceans Week**, 550 ●*May 13* -- Mark Twain MS, 35; Jackson MS, 45 ●*May 13-17* -- Barrier Islands Geology & Ecology, Chautauqua Workshop, Jr. College faculty, 18 ●*May 17-22* -- University of Arkansas & Lamar University, 25 ●*May 18* -- Cedar Valley College, 25; Beeville HS, 25 ●*May 19* -- Liberty Hill HS, 14; Lamar University, 25 ●*May 20* -- Columbus HS, 25 ●*May 21* -- Eastfield College, 25; Beeville Elementary **Oceans Week**, 650 ●*May 22* -- Tuloso Midway MS, 50 ●*May 23* -- Faubion Elementary, 25 ●*May 26* -- MacArthur HS, 25; HOST School, 42 ●*May 28-31* -- SAML/HMCU Minority Workshop, 28

Reservations for Educational Tours

DATE	SCHOOL	GRADE	NUMBERS
May 1	Adams Elementary, San Antonio	5th Grade	125
May 4	Alice High School, Alice	10th Grade	120
May 5	Welder Elementary, Sinton	2nd, 3rd Grade	100
May 6	Welder Elementary, Sinton	2nd, 3rd Grade	100
May 7	Elderhostel, Port Aransas	Adult	40
May 7	Eastcliff ISD, Portland	5th Grade	80
May 8	Sam Houston H.S. San Antonio	9th Grade	40
May 8	Adult Group, Corpus Christi	Adult	20
May 11	Garcia Elementary, Corpus Christi	3rd Grade	70
May 12	Adult Group, Corpus Christi	Adult	20
May 12	Elderhostel, Port Aransas	Adult	40
May 18	Alice High School, Alice	10th Grade	120
May 19	R.A. Hall Elementary, Beeville	1st Grade	120
May 20	All Saints M.S., Fort Worth	8th Grade	65
May 20	University of Arkansas, Arkansas	Adult	20
May 21	Eastfield College, Mesquite	College	100
Total number of students for the month of May			**1,180**

Personnel

Old Timers Recognized -- May 27, an informal get-together was held in the upstairs hallway and certificates presented for service with The University of Texas Marine Science Institute. Ten-year certificates were presented to Robert S. Jones and Henrietta Guajardo. Fifteen-year certificates were presented to Hayden B. Abel, Jr., Anthony F. Amos, Lynn M. Amos, and Gloria J. Holt. And a twenty-year certificate was presented to Donald L. Gibson (Senior Captain Gibson has been the Captain of the *R/V LONGHORN* for almost its entire life). Director Jones' ten-year certificate included some time in his early years as a student/employee at MSI. In honor of that early period, a video was shown of the *Helicopter Drop Net Project* which Bob led back in the early 60's.

Students

"Familiar Faces" -- graduate students in the Department of Marine Science who are returning to Port Aransas for the summer after their year in Austin: Susan Brown, Feng Chen, Andrew Czerny, Mike Dibble, David Jirsa, Michael Murphy, Kirsten Poling, Keith Schmidt, Scott Stewart, Greg Street, and Zhong Zhiheng.

"New Comers" -- three new Marine Science graduate students are in Port Aransas for the summer and will be returning to Austin next year: Tony Martin (from University of West Florida), Refik Orhun (from San Diego State University), Jay Peterson (from University of Wisconsin-Madison, Jay has been working with Ed Buskey this past year).

"Short Timers" -- three graduate students from The University of Texas at Austin are at MSI for the summer: Sina Granmayeh and Todd Minehardt, both from the Energy and Mineral Resources Department, and Michael Wood from Botany. Eleven undergraduates from UT--Austin are attending the summer session: Chung Chen, Eric Curtis, Scott Jones, Graham Kunze, Janie Ramirez, Kelly Rubes, Joseph Strubhar, Roger Tanner, and Stephanie Thomas. Three undergraduates from UT--Arlington are attending: Kent Boles, Amanda Lumsden, and Chris Robertson. Also attending are Scott Burghart, Baylor; Marine Hamm, UT-San Antonio; Carl Antone, Austin Community College; and Kearsie Thomas, SWTSU.

Facilities & Equipment

New Pier and Pier Laboratory -- Plans and specifications were transmitted from Russell-Veteto Engineering, Inc. June 30, and are now in the process of review at MSI and at UT's Architectural and Engineering Services. The time schedule calls for a contract to be entered before the close of the fiscal year, August 31.

USFWS/NFCRC Building -- Plans are being prepared by McCord and Lorenz, Inc. for the United States Fish and Wildlife Service, National Fisheries Contaminant Research Center, building to be constructed on the MSI property at Port Aransas. The building, of about 4,000 square feet, will contain facilities for Dr. Scott Carr's work in association with Peter Thomas. In addition to laboratory and office space, an effluent treatment plant will be included.

"Small" Projects -- The foundation has been poured for an additional small Toxicology Laboratory adjacent to the existing building in the Pond Area, and of about the same size. Funds are being provided primarily through Peter Thomas' contracts and grants. Our own Physical Plant Crew will do most of the construction. A large walk in refrigerator/freezer unit has been obtained on surplus and is being installed at FAML by the Physical Plant. The "new" refrigerator/freezer will be placed on a new concrete foundation and the existing freezer relocated to a new and adjacent concrete foundation.

Visitor Center etc. -- Several smaller to medium projects were funded under one unit by the Physical Plant. The first item, already completed, was a replacement for the Gardening Green House. Bids are now being taken for the remainder of the work which includes replacement of the rusting metal facade (with masonry) at the Visitor Center, a new boiler for the Administration Building, and modifications to the mechanical spaces at the Laboratory Building (providing new entrance of outside air to the air handlers together with better provision for maintenance and lubrication of the movable vanes).

Wilson Property -- Plans and specifications have been prepared and bids will soon be taken to provide new roofs at all the Wilson Buildings (Wilson Apartments A, B, & C and Wilson Cottages 1, 2, 3, 4, & 5). The old shingles will be removed, trusses reinforced, plywood decking applied, and new asphalt/composition roof shingles installed.

Future Projects -- Approvals for work next fiscal year have been obtained for two long needed rehabilitation projects: reroofing of the Administration Building and repairs and overlays of roads and parking lots.

Gastronomic Gazette

June 8, Monday ..... grilled chicken, broccoli, steamed rice
June 9, Tuesday ..... roast beef with brown gravy, au-gratin potatoes, golden corn
June 10, Wednesday ..... canadian ham, sweet potatoes, green beans
June 11, Thursday ..... enchiladas, spanish rice, pinto beans, flour tortillas
June 12, Friday ..... deviled crab, corn on the cob, black beans
June 13, Saturday ..... grilled chicken on a bun, french fries
June 15, Monday ..... fried chicken w/cream gravy, french fries, zucchini
June 16, Tuesday ..... corned beef and cabbage, blackeyed peas
June 17, Wednesday ..... brisket, potato salad, ranch style beans
June 18, Thursday ..... carne guisada, spanish rice, beans a la charra
June 19, Friday ..... pork chops, snowflake potatoes, squash
June 20, Saturday ..... cheeseburger, french fries

Editor's Note

Lazarette Gazette will be published every two weeks--often enough, I hope, for the news to be reasonably fresh; but not so often that the chore is excessive. My thanks to Linda Yates for designing the masthead and Lynn Amos for helping with the layout and to all who contributed information or stories for this first edition: Terry Whitledge, Ken Dunton, Tony Amos, Rick Tinnin, Linda Fuiman, Ruth Grundy, Kathy Quade, Toni Martinez, Patty Baker, Lynn Amos, and JoAnn Page. My first choice for the newsletter's name was the one Curtis and Amy used in their short lived informal newsletter--*Egabrag Wocs* (Scow Garbage spelled backwards), however it turned out that the copyright fee was too high (actually Curtis volunteered it for free). Having published our cafeteria menu for some years under the heading, *Gastronomic Gazette*, I liked the word *Gazette*. Combining that with *Lazarette* (a storeroom aboard ship) sounds nice and gives me a chance to exhibit my nautical erudition. This first edition contains news for all of May; future editions will, of course, have the news for only two weeks. News and suggestions for the *Lazarette Gazette* are welcomed. Now that we are caught up with the backlog of news and business, we may go into a little more depth on some items and have some short biographies. *John Thompson*