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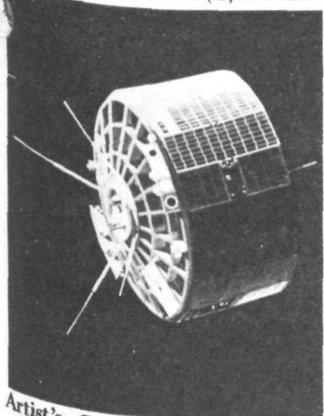
March 19, 1976

ESSA-8 Satellite Deactivated

One of the first operational satellites to provide automatic picture transmission from outer space to the earth's surface, used by more than 120 nations for meteorological data, was shut down March 12 after its camera failed.

ESSA-8 spacecraft, launched into a sun-synchronous polar orbit for NOAA by NASA on December 15, 1968, had completed almost 33,200 orbits when the shutter of its back-up camera failed to operate. The satellite's primary camera had stopped operating late in 1974.

Built by RCA, ESSA-8 was able, from 900 miles (1,440 kilo-



Artist's Conception of ESSA-8 (meters) in space, to provide daytime global picture coverage of the entire surface of the earth. During a 24-hour period, it transmitted between 144 and 156 individual pictures.

When the spacecraft was (Continued on page 3)

NOAA Ship David Starr Jordan Rescues Handicapped Fishermen

The NOAA Ship David Starr Jordan recently rescued two elderly fishermen whose small boat had foundered in the Gulf of Nicoya, off Costa Rica.

The boat and two men were first observed by Dr. Eric Barham, a National Marine Fisheries Service fishery biologist and head of the scientific party

Sea Grant Funds Aquaculture Study

The University of North Carolina will conduct research aimed at the preservation and management of that State's substantial marine resources and will continue work in an unusual aquaculture program under a \$535,000 Sea Grant.

The NOAA grant will be augmented by more than \$267,000 in matching funds from a variety of non-Federal sources, including direct appropriation from the State and from private industry.

One of North Carolina's most prominent marine resources is its two and one half million acres of estuaries, sounds, and marshes behind its barrier islands. These salt water areas are the foundation for a large commercial and sport fishing industry, and support substantial tourist activity, as well.

Under this year's funding, scientists will study the build-up and erosion of the shoreline from eastern Albemarle Sound to southern Pamlico Sound, try to discover what makes some areas more vulnerable than others, and suggest methods for dealing with coastal erosion problems. Special "erosion potential maps" will be drawn to help implement the

(Continued on page 3)

Dr. John R. Apel Is Appointed Director Of Pacific Marine Environmental Laboratory

Dr. John R. Apel, Director of the Ocean Remote Sensing Laboratory at the Environmental Research Laboratories' Atlantic Oceanographic and Meteorological Laboratories in Miami, Fla., has been appointed Director of

Marine Mammal Moratorium Upheld by NMFS Director

Souris River Basin Snowmelt Flooding Potential Surveyed

The United States and Canada are teaming up again this year to make an aerial survey of the potential for spring-snowmelt flooding in the Souris River basin—an area shared by the Canadian provinces of Saskatchewan and Manitoba with North Dakota.

An instrumented aircraft equipped to measure subtle changes in natural background radiation is to be flown over the area late this month. Its measurements will be interpreted by an onboard computer to arrive at the water equivalent of the snow. These interpretations are made by comparing new readings with those obtained in previous flights when there was no snow. Drops in radiation levels provide an index of potential snowmelt water on the ground.

The Souris River basin is being (Continued on page 4)

Robert W. Schoning, Director of the National Marine Fisheries Service, declined to waive a moratorium on the importation of marine mammals to allow the importation of fur sealskins taken in Namibia (South West Africa).

Mr. Schoning believes scientific evidence supports the conclusion that an annual take of no more than 70,000 Cape fur seals will permit maintenance of a viable seal population and balanced ecosystem in the area, and that the scientific evidence of record at this time supports waiving the moratorium with respect to skins of Cape fur seals harvested in Namibia and South Africa. However, he declined to waive on the basis that administration of the Marine Mammal Protection Act should, where appropriate, be consistent with U.S. foreign policy.

"From the evidence of record," Mr. Schoning said, "it is clear to me that under present circumstances it would not be consistent with the foreign policy of the United States to waive the moratorium to permit the importation of skins from Namibia."

Counsel for NOAA earlier had requested from the Department (Continued on page 4)

Louisiana Receives CZM Grant

The Louisiana State Planning Office has been awarded a \$143,000 grant by the Office of Coastal Zone Management to study the onshore impacts of offshore oil and gas production and to integrate findings into the development of a coastal zone management program.

Under the Federal Coastal Zone Management Act, Louisiana is engaged in a planned three-year effort to develop a long-term, wide-range coastal protection program which will preserve coastal ecosystems while allowing the coast to be used for a variety of competing purposes, such as recreation, development,

(Continued on page 3)

the Pacific Marine Environmental Laboratory in Seattle, Wash.

Dr. Robert E. Burns has been serving as Acting Director of the Laboratory.

The Seattle facility conducts research on deep ocean, coastal and estuarine processes, and the means by which these and other elements of the marine ecosystem are affected by human activities. It also operates the Honolulu-based Joint Tsunami Research Effort with the University of Hawaii,

(Continued on page 4)



Dr. Apel

personnel perspective

Current Vacancies in NOAA

To insure that NOAA employees are aware of job possibilities throughout the agency, a list of current NOAA-wide vacancies is published below. Employees interested in any of the listed vacancies

should contact their servicing personnel office for information where to apply.

Announcement Number	Position Title	Grade	MLC	Location	Issue Date	Closing Date
457-76	Electronics Technician	GS-11	NWS	Volens, Va.	3-9-76	3-23-76
458-76	Supervisory Meteorological Technician	GS-12	NWS	Athens, Ga.	3-9-76	3-23-76
459-76	Supervisory Meteorologist	GS-11	NWS	Limon, Colo.	3-9-76	3-23-76
460-76	Meteorological Tech.	GS-9	NWS	Bismarck, N.D.	3-9-76	3-23-76
461-76	Operations Research Analyst	GS-12	NMFS	Miami, Fla.	3-9-76	3-23-76
462-76	Fishery Resource Manager	GS-14	NMFS	Gloucester, Mass.	3-9-76	3-23-76
463-76	Meteorologist (Part time)	GS-11	ERL	Coral Gables, Fla.	3-9-76	3-23-76
464-76	Administrative Officer	GS-11	ERL	Miami, Fla.	3-9-76	3-23-76
465-76	Planning and Resources Manager	GS-14	NOS	Rockville, Md.	3-9-76	3-29-76
455-76	Economist	GS-13	NMFS	Washington, D.C.	3-9-76	3-30-76
456-76	Meteorologist	GS-14	EDS	Houston, Tex.	3-9-76	3-30-76
469-76	Clerk-Stenographer	GS-5	NMFS	Washington, D.C.	3-17-76	3-31-76
470-76	Writer-Editor	GS-9	NOS	Rockville, Md.	3-17-76	3-31-76
472-76	Fishery Resource Administrator	GS-14	NMFS	Terminal Island, Calif.	3-17-76	3-31-76
473-76	Meteorologist	GS-12	NWS	Pittsburgh, Pa.	3-17-76	3-31-76
475-76	Supervisory Meteorologist	GS-13	NWS	Lake Charles, La.	3-18-76	4-1-76
476-76	Supervisory Electronics Tech.	GS-12	NWS	Miami, Fla.	3-18-76	4-1-76
477-76	Program Analysis Officer	GS-13	NMFS	Gloucester, Mass.	3-18-76	4-1-76
478-76	Electronics Tech.	GS-10	NWS	Peoria, Ill.	3-18-76	4-1-76
479-76	Electronics Tech.	GS-10	NWS	Waterloo, Ia.	3-18-76	4-1-76
474-76	Technical Information Specialist (Physical Scientist & Engineering)	GS-12	EDS	Miami, Fla.	3-15-76	4-5-76
471-76	General Supply Officer	GS-12	NWS	Anchorage, Alaska	3-17-76	4-7-76

1976 Awards Nominations

Nominations for Department of Commerce Gold and Silver Medal Awards, NOAA Awards, and the NOAA EEO Award are again solicited and are due in the NOAA Personnel Division by May 14, 1976.

DOC Medal Awards - The Gold Medal, the highest Departmental award, is granted for rare and outstanding contributions of major significance to the Department, the Nation, or the world. The Silver Medal, the second highest award is granted for contributions of unusual value to the Department. Nominations, except those based on heroism, must be accompanied by a current Outstanding Performance Rating.

NOAA Awards - The four NOAA Awards are presented in recognition of unusually significant contributions to: (1) Scientific Research and Achievement, (2) Public Service, (3) Engineering and Applications Development, and (4) Program Administration and Management. As a

rule, one award is made in each of these categories and consists of a plaque and \$1,000.

NOAA EEO Award - This award, consisting of a plaque and \$1,000, is granted for significant contributions to NOAA through the advancement of Equal Employment Opportunity Program goals either internally or in our community relations and public dealing. Forms CD-233, "Citations for Medal Awards," and CD-242, "Recommendation for Medal Award," should be completed for all DOC Medal nominations. All nominations for NOAA Awards, including the NOAA EEO Award, should be submitted on NOAA Form 53-15, "Recommendation for NOAA Award." All nominations require the approval of the head of the Primary Organizational Element in which the nominee is employed. Forms and additional information concerning the submission of these awards may be obtained from your servicing personnel office.

Suggestion Awards Given

In order to recognize the contributions of NOAA employees who have offered suggestions on ways to cut costs, improve efficiency or safety, or, on other ways, contribute to an overall improvement in the operations of NOAA, Personnel Perspective is publishing on a

quarterly basis, the names and suggestions of employees who have been given suggestion awards.

The following NOAA employees received suggestion awards during the period of October 1-December 31, 1975:

Suggester's Name	Amount of Award	Suggestion Title
Donald P. Thomas	\$ 25.	Color guides
Mary V. Wyvill	\$ 50.	Revision of NESS Telephone Directory
Patrick H. Verdone	\$200.	Muirhead cassette push rod modification
Ben Zollman	\$ 25.	MEA Gap
Robert L. Pyle	\$100.	Notification to employee relating to arrival date of belongings
Mario A. Cianfiani	\$ 35.	White focusing surface for camera extension back
Raymond A. Ward	\$ 25.	Separate switch for developer and hypo pumps
Donald P. Thomas	\$180.	Water system overflow
Thomas G. Shay	\$ 25.	Utilization of certain excess 6050 computer cards
D. Abritton	\$ 25.	Franked Aerograms
F. Ingle	\$ 25.	File Marker for EDS
V. Blacker	\$ 50.	Xerox Reduction of Drawing for Publication
Olen B. Robinson	\$225.	CDNS Map Overlay

Suggester's Name	Amount of Award	Suggestion Title
William K. Poust	\$205.	Format for Environmental Satellite Imagery Catalog KMRD 5.4
Betty M. Bramer	Certificate	Modification of NCC Billing Invoice at Next Printing Process
Rayfield Hamlin	Certificate	Recycle Boxes
Arthur Prosser, Jr.	\$ 25.	Change in Pilot Briefing Log
Frank Coppola	\$ 25.	Precipitation Gauge Modification
Bernard L. Spittler	\$ 25.	Project Summary - Planned Accomplishments
Jack U. DeCaigny	\$ 25.	Facsimile Switch
Kevin C. McCarthy	\$ 25.	DBM-1
James R. McFarland	\$100.	Modification of F611 Solid State Wind Retransmitter
Don J. Pedigo	\$ 50.	Use of Intrastate and WATS Lines
Gregory P. Hooker	\$100.	FOUS Data
John W. Fenton	\$100.	Discontinuance of FUPA and FUPN KWBC
Roland P. L. Ho	\$ 25.	Automatic Dialing
Lois Montgomery	Certificate	Self Defense for Women
Stanley Marczewski	\$ 25.	Cloth Patch of NOAA Emblem with NWS

A DEPARTMENT OF COMMERCE BRONZE MEDAL was presented to Harvey L. Moore (right), who retired recently as Assistant to the Regional Director of the National Marine Fisheries Service Northwest Region in Seattle, Wash. He was recognized for "many years of service, demonstrated versatility, dependability, and imagination in a variety of assignments."

The medal was presented by Regional Director Donald R. Johnson.



UNC Receives Sea Grant *(Continued from page 1)*

State's Coastal Zone Management Act. Marine geologists and oceanographers will examine parts of Onslow Bay to obtain information on waves, water circulation, and weather conditions to help State and Federal agencies determine the best disposal sites for sewage effluent and power plant cooling systems.

Under a cooperative arrangement between Sea Grant scientists and the Army Corps of Engineers aimed at saving coastal waterbirds from destruction by dredging machines, researchers are working closely with the Corps in scheduling dredging activities away from nesting birds. Aquaculture scientists at the University will expand a unique eel rearing project under this year's grant. Live eels command premium prices of up to \$3.00 per pound and enjoy a large overseas market. UNC scientists will be building a special facility for rearing eels in outdoor ponds and will survey natural eel runs along the North Carolina coast to determine the best areas for capturing the young eels for later rearing in culture ponds.

Last year some 32,000 elvers were captured during migration and, with a special feed formulated at the aquaculture facility, are expected to reach market size in about 18 months.

ESSA-8 Deactivated

(Continued from page 1) launched, about 40 countries had equipment capable of receiving the television-type picture transmission. As the value of the data provided became more broadly recognized, increasing numbers of nations built receivers, using the pictures largely for weather forecasting, but also for a wide variety of other purposes where meteorological data was necessary.

David S. Johnson, Director of the National Environmental Satellite Service, which operates the spacecraft, said that in the last several years NESS had encouraged ESSA-8 users to convert their equipment to receive similar weather data from the NOAA-4 satellite. This newer spacecraft provides both day and night global coverage and utilizes a scanning radiometer system

New Ocean Surface Current Data System, SCUDS, Contains U.S. and Foreign Data

The Environmental Data Service's National Oceanographic Data Center (NODC) has developed a storage and retrieval system called SCUDS (Surface Current Data System) for a new file of ocean surface current data spanning the period from the early 1850's through 1974 that was acquired from the U.S. Naval Oceanographic Office. It

contains more than four million set-and-drift observations made by seamen of the Netherlands, Japan, Great Britain, France, and the United States. They are supplemented by several thousand Geomagnetic Electrokinetograph (an instrument which measures currents) observations, mostly of Japanese origin.

The new file replaces and basically includes the nearly 3.2 million U.S. and Netherlands observations which in the past constituted NODC's surface current data file. Observations for the 19th century were collected primarily by the Netherlands; those of the 1960's through 1974 (about 64,000 records) are primarily from U.S. collections.

Seafood Marketing Economics Research Workshop Is Held

The Office of Sea Grant and the Texas A&M University Sea Grant Program recently co-sponsored a workshop on seafood marketing economics research, in Washington, D.C. More than 50 economists, marketing specialists, and food scientists from universities, government agencies, and the seafood industry in 18 states and Canada attended.

Participants identified numerous marketing research needs and opportunities, placed some priorities on those needs, and identified opportunities for cooperative research in the future. Nearly 15 marketing specialists were introduced to seafood marketing research for the first time at this workshop.

Proceedings, copies of papers presented, and workshop recommendations will be available from the Texas A&M Sea Grant Program.

rather than a TV type camera.

Mr. Johnson said many users have made that conversion.

ESSA-8 pictures, in addition to being utilized by most of the governments of the world, also were received by hundreds of non-governmental organizations and individuals, including universities, scientific groups, Boy Scout troops and amateurs who enjoyed receiving pictures from outer space.

noaa week

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NOAA Week reserves the right to make corrections, changes or deletions in submitted copy in conformity with the policies of the paper or the Administration.

Catherine S. Cawley, Editor
Warren W. Buck, Jr., Art Director



PARTICIPANTS IN THE RECENT ANNUAL CONFERENCE of the National Environmental Satellite Service Satellite Field Services Station Managers at the World Weather Building in Camp Springs, Md., included (from left): Ed Ferguson, Mgr., Kansas City SFSS; Don Gaby, Mgr., Miami SFSS; W. John Hussey, Chief, Field Services Division; Jack Bottoms, Mgr., San Francisco SFSS; Bob Pyle, Mgr., Honolulu SFSS; and Ross LaPorte, Mgr., Washington, SFSS.

The SFSS Managers met with many NESS and National Weather Service representatives regarding their mission of providing timely satellite services to many users throughout the country.

A unique feature of SCUDS is that a rather detailed, factual narrative concerning the various observational, data processing, and editing techniques employed by the several source countries is available. NODC plans to release copies of this documentation along with data output products from SCUDS.

Summaries are available in a long and short format. The long format provides area and time (monthly, or period) identity, basic statistical computations (area resultant direction and speed, north and east components, etc.), and a matrix of current speed and direction classes. Percent of observations for each direction and speed class, mean speed, maximum speed (per direction), and standard deviation are also computed.

The short summary format omits the matrix of direction and speed classes, but contains the area and month identity, the average northern and eastern current vector components for the area, the resultant direction and speed, total observations for the area, and number of calms.

Data are available on standard magnetic tape formats and as printout listings. Requests for SCUDS data or related inquiries should be addressed to the Data Services Division, NODC, EDS, Washington, D.C. 20235.

Louisiana CZM Grant

(Continued from page 1) housing, transportation, agriculture, mineral mining, power plants, conservation, and energy production.

To develop its program, Louisiana has received nearly three quarters of a million dollars in Federal grant assistance from OCZM and has contributed over \$300,000 in State matching funds.

The current grant supplements an earlier program development grant, and will be used primarily to identify trends or development patterns which occur from oil and gas production on the Outer Continental Shelf.

AFGE Local 2703 Meets, Presents Award, Inducts Officers



THE ELMER NEUMANN AWARD FOR 1975 was presented recently to Robert B. Swink, (right), Film Assembler/Stripper in the Reproduction Division of the National Ocean Survey in Washington, D.C., by Mr. Neumann, former NOAA Chief of Labor Relations. The Award recognizes achievements of NOAA personnel in the field of employee-management relations.



(From left) Charles W. Carter, National Vice President of the 13th District of the American Federation of Government Employees, administers the oath of office to the newly elected officers of AFGE Local 2703—President, Percy L. Johnson, Office Services Assistant in the Administrative Operations Division, Rockville, Md.; Vice President, Jeanette M. O'Connor, Cartographer in the NOS Marine Chart Division, Rockville; and Secretary-Treasurer, Mary E. Triplett, Supply Technician in the Property and Supply Branch of AOD, in Riverdale, Md.

Mr. Johnson was the runner-up in the competition for the Elmer Neumann Award.

Marine Mammal Moratorium Upheld (Continued from page 1)

of Justice advice on whether the NMFS Director must waive the moratorium if it is scientifically justified, or whether he could also take into account the international legal obligations of the United States. The Department of Justice declined to comment on the basis that it is not consistent with Department of Justice policy to provide advice on matters that are the subject of a pending administrative proceeding of this character.

The Director's decision completes NMFS action on a request by the Fouke Fur Co., Greenville, S.C., for a waiver of the moratorium to permit importation of up to 70,000 skins taken in 1975. Of these, approximately

19,000 were estimated to have been harvested in the Republic of South Africa and the remainder in Namibia.

On February 12, 1976, after careful study of the hearing record and of the recommendations of the Administrative Law Judge, NMFS announced it was granting a waiver to permit importation of up to 19,180 South African skins, and deferring decision on the remainder.

Conditions imposed on the importation of the South African skins included:

—They must have been taken from within the Republic of South Africa or under its auspices, and the Republic must certify that none of the skins imported

were taken in Namibia.

—No more than 70,000 Cape fur seals, whether from South Africa or Namibia, may be killed in any one year, beginning in 1975, subject to continuing evaluation of the management program. If more than 70,000 are killed, no skins can be imported into the United States.

—No skins can be imported from animals that were nursing, pregnant, or younger than eight months at the time of taking.

—The manner of killing is not deemed inhumane by the NMFS Director.

The Marine Mammal Protection Act authorizes the Secretary of Commerce to waive the moratorium on importation of skins under certain circumstances. The Secretary has delegated this authority to the Director of NMFS.

Jordan Rescues Fishermen (Continued from page 1)

vered the Jordan to bring the craft into position for rescue and a line was thrown. In reaching for the line one of the men capsize the small craft, throwing them and their gear into the water.

The fishermen, now clinging to the sides of their capsized boat, were only a few feet from the Jordan's side, yet seemed incapable of reaching the nearby Jacob's ladder. One man appeared to be drowning even though his head was clearly out of the water. Seaman Barry Adams, who was attempting to aid them from the bottom of the Jacob's ladder, jumped into the water and assisted the man to the ladder, which he managed to climb with the aid of helping hands from below and above. Once on deck the cause of his distress became evident. Although unable to talk, he gestured to a tracheotomy incision in his neck through which he had been taking in water and from which water was still gushing. The man remaining in the water appeared even weaker and had to be raised to the deck of the Jordan by a line slung under his arms. It was subsequently dis-

covered he was badly crippled and partially blind.

With the aid of the winch aboard the Jordan, the small fishing vessel was righted and pulled up the stern trawling ramp and all baggage and equipment fished out of the water. During the short run to Puntarenas, Jose and Julio Aquilino, aged 81 and 77, respectively, explained that they were brothers, and that while attempting to cross the bay to the little village of Tambor after a shopping trip to Puntarenas, their vessel began taking on water. They had sat in their partially flooded craft for about three hours while several large fishing vessels passed close to them without taking notice of their plight. Capt. Forster stated that it was certain these two senior citizens of Costa Rica would have perished at sea had they not been rescued by the Jordan.

The Jordan, together with a sister research vessel, the Townsend Cromwell, has been at sea since early January conducting a porpoise boundary survey in the area outside of the traditional tuna fishing grounds in the eastern tropical Pacific.

Souris Basin Survey

(Continued from page 1)
surveyed by this advanced technique because it has been a serious trouble spot during previous snowmelt seasons, when the cropland areas were inundated and thousands of people were forced to evacuate their homes. U.S. participants in the effort are the National Weather Service, the Energy Research and Development Administration, and the Agriculture Department's Soil Conservation Service. Canadian participants are the Inland Waters Directorate of Environment Canada, and the Saskatchewan and Manitoba environmental departments.

The data obtained will be combined with other information by U.S. and Canadian river forecasters to arrive at the potential for snowmelt flooding along the Souris this spring.

Conventional measurements of snowpack would require hundreds of core samples to get comparable data. "The airborne measurements are much faster," says Dr. Eugene Peck, Director of the NWS Hydrological Research Laboratory. "They also are much more accurate."

APEL To Head PMEL

(Continued from page 1)
which studies the earthquake-generated phenomena popularly called "tidal waves."

In Miami, Dr. Apel developed research programs in satellite acoustic, and microwave sensing of oceanic phenomena. He also played a significant role in the success of the SEASAT oceanographic satellite program, a cooperative interagency research effort with the National Aeronautics and Space Administration, for which he won a Department of Commerce Gold Medal in 1974.

Since 1970, Dr. Apel has been an adjunct professor of physics at the University of Miami and a research advisor to the National Research Council Associates. He is currently chairman of NASA's Ocean Dynamics Subcommittee, a member of its Applications Advisory Committee, and a member of the SEASAT-A Scientific Steering Group. He was recently appointed a member of the International Union of Radio Science and the Inter-Union Commission on Radio Meteorology. He is also a consultant to UNESCO's Intergovernmental Oceanographic Commission.

Dr. Apel joined NOAA in 1970 after having been associated with The Johns Hopkins University Applied Physics Laboratory between 1957 and 1970. He holds B.S. and M.S. degrees in physics from the University of Maryland in College Park and a Ph.D. in applied physics from Johns Hopkins in Baltimore, Md.

Surveyor Seeks Photos

The NOAA Ship Surveyor, OSS 32, is collecting photographs from previous operations to assemble a comprehensive portfolio. Donations of any color or black & white prints, or color slides will be acknowledged with a suitable caption. Originals will be copied and returned if desired. Please include a short explanation of the photograph. Contact Lt. (jg) Harrigan, NOAA Ship Surveyor, FPO, Seattle, Wash., 98799.

Salvatore DeSena Dies

Salvatore N. DeSena, former Forecaster Aid at the National Weather Service Forecast Office in New York City (RCA), died on March 11. He had retired in 1975 after 29 years' Federal service.

He began his NWS career at WSO New York, Kennedy Airport, in 1955, and was reassigned to WSFO New York in 1969.

He is survived by his wife, Helen, of 677 Benris Avenue, Franklin Square, N.Y. 11010



National Oceanic and Atmospheric Administration

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