

Docket Number: 96-027. Applicant: Belmont University, Biology Department, 1900 Belmont Boulevard, Nashville, TN 37212-3757. Instrument: Electron Microscope, Model EM208. Manufacturer: Philips, Czechoslovakia. Intended Use: The instrument will be used primarily for educational purposes in the course BIO 401, Electron Microscopy in which students will: (1) Fix, embed, section, and stain plant and animal tissues and single-cell organisms, (2) learn the proper operation of a transmission electron microscope, (3) learn how to take photographs of the sectioned tissues, (4) study the ultrastructure of the cells/tissues that have been photographed, and (5) properly mount and label the photographs. Application accepted by Commissioner of Customs: March 7, 1996.

Docket Number: 96-028. Applicant: Florida International University, SERP, University Park, Miami, FL 33199. Instrument: (2) Mass Spectrometers, Model Delta C. Manufacturer: Finnigan MAT, Germany. Intended Use: The instruments will be used in a variety of basic research projects, including studies of food webs in the Everglades and associated coastal systems, studies of plant uptake of C and N in south Florida wetlands and coral reefs, and studies of microbial processes such as respiration and nitrification. In addition, the instrument will be used in support of an annual workshop course with the objective of stimulating use of stable isotope tracer technologies by faculty and students in their environmental research. Application Accepted by Commissioner of Customs: March 11, 1996.

Docket Number: 96-029. Applicant: University of Iowa, Iowa City, IA 52242. Instrument: EPR Spectrometer, Model EMX 6/1. Manufacturer: Bruker Instruments, Germany. Intended Use: The instrument will be used to study environmental catalysts which provide catalytic solutions to environmental problems. The research will focus on applications of EPR to transition metal exchanged zeolites and will yield structural information about the active site of the catalyst. Application Accepted by Commissioner of Customs: March 11, 1996.

Docket Number: 96-030. Applicant: University of South Alabama, Department of Pathology, 2451 Fillingim Street, Mobile, AL 36617. Instrument: Electron Microscope, Model CM100. Manufacturer: N. V. Philips, The Netherlands. Intended Use: The instrument will be used for studies of human and animal tissues that include categorization of neoplasms, storage

disease and other disease processes, and ultrastructure of normal tissues. In addition, the instrument will be used for educational purposes in the courses PAT 211 - core pathology course and PAT 416 - diagnostic electron microscopy. Application Accepted by Commissioner of Customs: March 12, 1996.

Docket Number: 96-032. Applicant: University of California, Santa Barbara, Department of Chemistry, Santa Barbara, CA 93106-9510. Instrument: Stopped-Flow Spectrophotometer, Model SX.18MV. Manufacturer: Applied Photophysics, United Kingdom. Intended Use: The instrument will be used to carry out stopped-flow kinetics experiments at multiple wavelengths in order to characterize the rates of rapid thermal reactions in solution as well as the spectra of reactive intermediates. The instrumentation will complement research into various problems of solution phase kinetics under investigation. Application Accepted by Commissioner of Customs: March 12, 1996.

Frank W. Creel,

Director, Statutory Import Programs Staff.

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Applications for Duty-Free Entry of Scientific Instruments

Pursuant to Section 6(c) of the Educational, Scientific and Cultural Materials Importation Act of 1966 (Pub. L. 89-651; 80 Stat. 897; 15 CFR part 301), we invite comments on the question of whether instruments of equivalent scientific value, for the purposes for which the instruments shown below are intended to be used, are being manufactured in the United States.

Comments must comply with 15 CFR 301.5(a)(3) and (4) of the regulations and be filed within 20 days with the Statutory Import Programs Staff, U.S. Department of Commerce, Washington, DC 20230. Applications may be examined between 8:30 a.m. and 5 p.m. in Room 4211, U.S. Department of Commerce, 14th Street and Constitution Avenue NW., Washington, DC.

Docket Number: 96-033. Applicant: University of Southern California, Department of Neurobiology, 3614 Watt Way, Los Angeles, CA 90089-2520. Instrument: Xenon Flashlamp System, Model XF-10. Manufacturer: Hi-Tech Scientific, United Kingdom. Intended Use: The instrument will be used to rapidly photolyze CA^{2+} cage compounds in a biophysical study of

the action of intracellular CA^{2+} on voltage-activated CA^{2+} channels. The CA^{2+} currents activated by depolarization will be monitored during and after the flashes to determine the kinetics of the blocking mechanism. Photolysis of diazo-4 will produce rapid (<1 ms) reductions in the concentrations of CA^{2+} , so that the kinetics of recovery of channel function can be determined. Application Accepted by Commissioner of Customs: March 13, 1996.

Docket Number: 96-034. Applicant: National Institutes of Health, 6120 Executive Boulevard, Bethesda, MD 20892-7260. Instrument: Electron Microscope, Model JEM-1010. Manufacturer: JEOL Ltd, Japan. Intended Use: The instrument will be used for investigations of autoimmune diseases and ocular complications of diabetes from control, experimental animal tissues and diseased human tissues (mainly ocular) with the objectives of development of improved diagnosis and treatment of human ocular diseases. Application Accepted by Commissioner of Customs: March 13, 1996.

Docket Number: 96-035. Applicant: State University of New York, Department of Physics, 1400 Washington Avenue, Albany, NY 12222. Instrument: Electron Microscope, Model JEM-2010F. Manufacturer: JEOL Ltd., Japan. Intended Use: The instrument will be used to study the microstructure of semiconductors, metals, ceramics, polymers and superconductors. Experiments will be conducted on the following: (1) Long-range order and defects in II-VI and III-V semiconductor alloys, (2) process-induced defects in metals, semiconductors and insulators, (3) plasma etching induced surface defects, (4) ion beam induced surface defects, (5) chemical vapor deposited metal, semiconductor, and insulator thin films, and (6) structure of polymer thin films. In general, the objective of these microscopic investigations is to understand the structure-properties correlation and the effects of materials processing. In addition, the instrument will be used for educational purposes in the course Electron Microscopy, PHY 784. Application Accepted by Commissioner of Customs: March 14, 1996.

Docket Number: 96-036. Applicant: Lehigh University, Chemistry Department, 7 Asa Drive, Bethlehem, PA 18015. Instrument: Automatic Sample Manipulator. Manufacturer: Scienta Instruments, AB, Sweden. Intended Use: The instrument will be used to study a wide category of single crystal and thin film materials which include metal single crystals such as Pd

and crystals of ZnO-type materials and transition metal chalcogenides such as MoS₂, NbS, TaS, WS or ReS. There will also be studies of thin film materials that are laterally homogeneous, but which have compositional variation with depth. The instrument will also be routinely incorporated into advanced undergraduate and graduate courses, such as CHEM 338—Advanced Analytical Chemistry and CHEM 350—Special Topics—Electron Microscopy for Surface Analysis. Application Accepted by Commissioner of Customs: March 14, 1996.

Docket Number: 96-037. Applicant: Massachusetts Institute of Technology, 77 Massachusetts Avenue, Cambridge, MA 02139. Instrument: Microprobe Laser Ablation System. Manufacturer: VG Fisons, United Kingdom. Intended Use: The instrument will be used for the trace element chemical analysis of environmental materials such as marine sediments, fossils and rocks. The research will be focused on the mechanisms responsible for fractionation of minor elements between mineral phases, but will also include paleoclimatological studies based on the trace element composition of fossil shells. Application Accepted by Commissioner of Customs: March 15, 1996.

Docket Number: 96-038. Applicant: Purdue University, Department of Biological Science, Lilly Hall, West Lafayette, IN 49707. Instrument: Stopped-Flow Fluorimeter, Model SX.17MV. Manufacturer: Applied Photophysics Ltd., United Kingdom. Intended Use: The instrument will be used to measure the binding and insertion of proteins into membranes through changes in fluorescence properties of the protein upon binding. The "stopped-flow" aspect will allow the protein to be mixed very rapidly (1/1000 of a second, or "millisecond"), so that the time course of the binding insertion of the protein into the membrane can be followed through the variation with time. In addition, the instrument will be used to train graduate and postdoctoral students in use of fast fluorescence methods for studies on protein structure and conformation. Application Accepted by Commissioner of Customs: March 15, 1996.

Docket Number: 96-039. Applicant: Columbia University, Lamont-Doherty Observatory, Route 9W, Palisades, NY 10964-8000. Instrument: Mass Spectrometer, Model VG 5400. Manufacturer: Fisons Instruments, United Kingdom. Intended Use: The instrument will be used for argon isotope measurements of rocks and

minerals in investigations of the ages of rocks for earth science questions. In addition, the instrument will be used for training of graduate students in methods of noble gas analysis. Application Accepted by Commissioner of Customs: March 20, 1996.

Docket Number: 96-040. Applicant: Washington University, Department of Earth and Planetary Science, One Brookings Drive, St. Louis, MO 63130-4899. Instrument: ICP Mass Spectrometer, Model Element. Manufacturer: Finnigan MAT, Germany. Intended Use: The instrument will be used to provide accurate elemental and isotopic information about the trace and minor element compositions of geological and environmental samples such as rocks, meteorites, sediments, oils, and natural waters. In addition, the analytical capabilities of the instrument will be used in laboratory experiments of mineral solubility, trace element partitioning, oxidation-reduction reactions involving transition metals and organic compounds and the consequences of water/rock reactions. The instrument will also be used for educational purposes in undergraduate biogeochemistry and environmental geochemistry courses. Application Accepted by Commissioner of Customs: March 21, 1996.

Docket Number: 96-041. Applicant: Medical College of Georgia, 1120 15th Street, Augusta, GA 30912. Instrument: Electron Microscope, Model JEM-1010. Manufacturer: JEOL Ltd., Japan. Intended Use: The instrument will be used for traditional TEM studies of cell morphology in transgenic animals, immunoelectron microscopy of tissue samples and subcellular fractions to identify the localization of important new antigens and *in vitro* examination of isolated cytoskeletal structures. In addition, the instrument will be used for teaching graduate students and post-doctoral fellows techniques of ultrastructural analysis. Application Accepted by Commissioner of Customs: March 22, 1996.

Docket Number: 96-042. Applicant: University of Kansas, Department of Geology, 120 Lindley Hall, Lawrence, KS 66045. Instrument: Mass Spectrometer, Model PlasmaQuad XS. Manufacturer: Fisons Instruments, Inc, United Kingdom. Intended Use: The instrument will be used to measure the chemical composition of natural igneous rocks, minerals, ground water, brines and carbonates to determine the concentration of a wide range of elements. The resulting geochemical data will be used to further many areas of basic research in the Geology Department. The instrument will also be

used in the training of graduate students in the techniques of geochemical analysis. Application Accepted by Commissioner of Customs: March 27, 1996.

Frank W. Creel,
Director, Statutory Import Programs Staff.
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National Oceanic and Atmospheric Administration

[Docket No. 950616159-6146-03; I.D. 052496C]

RIN 0648-ZA16

Fishing Capacity Reduction Program (FCRP)

AGENCY: National Marine Fisheries Service (NMFS), National Oceanic and Atmospheric Administration (NOAA), Commerce.

ACTION: Notice of proposed program and request for comments.

SUMMARY: NMFS issues this notice to describe the proposed FCRP requirements and to solicit comments on the proposal. The proposed FCRP is a \$25 million program designed to provide grants to the owners of fishing vessels participating in the Northeast multispecies limited access groundfish fishery who are willing to scrap or make their vessels permanently ineligible to participate in any of the fisheries of the United States and to surrender all associated Federal fish harvesting permits.

DATES: Comments must be submitted on or before July 1, 1996.

ADDRESSES: Comments should be sent to the Financial Services Division, National Marine Fisheries Service, 1315 East West Hwy., Silver Spring, MD 20910.

FOR FURTHER INFORMATION CONTACT: Michael Grable, (301) 713-2390, fax (301) 589-2686.

SUPPLEMENTARY INFORMATION:

I. Background

Under the provisions of Public Law 103-211, the Emergency Supplemental Appropriations Act of 1994, \$2 million was made available as part of the Northeast Fisheries Assistance Program for a pilot FCRP, which was called the Fishing Capacity Reduction Demonstration Program (pilot program). The purpose of this program was to test an approach for permanently reducing the fishing capacity in the Northeast multispecies groundfish fishery. On October 11, 1995, NOAA announced