

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 5:00 p.m. in Room 4211, U.S. Department of Commerce, 14th Street and Constitution Avenue, NW., Washington, DC.

Docket Number: 95-114R. Applicant: Research Triangle Institute, 3040 Cornwallis Road, Research Triangle, NC 27709. Instrument: (2) ICP Mass Spectrometers, Model PlasmaQuad 2. Manufacturer: Fisons Instruments, Inc., United Kingdom. Intended Use: Original notice of this resubmitted application was published in the Federal Register of December 14, 1995.

Docket Number: 96-043. Applicant: The University of Chicago, 5841 S. Maryland Avenue, Chicago, IL 60637. Instrument: Autosampler, Model A200S. Manufacturer: Finnigan Corp., Germany. Intended Use: The instrument will be installed on an existing gas chromatograph/mass spectrometer for the analysis of biochemical products for human nutrition research. These biochemicals will be obtained from humans to trace the metabolism of nutrients in the human body in studies with the objectives of understanding the biochemical mechanisms of nutritionally related disease. Application Accepted by Commissioner of Customs: April 19, 1996.

Docket Number: 96-044. Applicant: University of California, Los Angeles, Plasma Physics Laboratory, 405 Hilgard Avenue, Los Angeles, CA 90095-1547. Instrument: Ti:Sapphire Laser. Manufacturer: MBP Technologies, Inc., Canada. Intended Use: The instrument will be used as the illuminator of a lidar system principally to range off the Ca⁺, Fe, N₂⁺, N₂^{*} layers in the ionosphere. The phenomena studied are changes in the Ca⁺, Fe, N₂⁺, N₂^{*} densities in the ionosphere due to auroral conditions and changes in these densities. In addition, the instrument will be used for educational purposes in graduate level independent research courses. Application Accepted by Commissioner of Customs: April 19, 1996.

Docket Number: 96-045. Applicant: Monell Chemical Senses Center, 3500 Market Street, Philadelphia, PA 19104-3308. Instrument: Xenon Flashlamp System, Model XF-10. Manufacturer: Hi-Tech Scientific, United Kingdom. Intended Use: The instrument will be used in electrophysiological studies of signal transduction in vertebrate olfactory receptor neurons to

characterize the molecular mechanisms by which odorant molecules differentially activate olfactory receptor neurons. Application Accepted by Commissioner of Customs: April 19, 1996.

Docket Number: 96-046. Applicant: Smithsonian Institution, National Museum of Natural History, Washington, DC 20560. Instrument: Electron Microprobe, Model JXA-8900R. Manufacturer: JEOL, Japan. Intended Use: The instrument will be used for studies of the chemical composition, elemental distribution of geological materials and various museum objects. Experiments will consist of focussing on a high voltage electron beam on a solid sample (usually a polished grain mount or thin section), generating characteristic x-rays, and measuring these x-rays quantitatively with wavelength and energy dispersive spectrometers. Application Accepted by Commissioner of Customs: April 30, 1996.

Docket Number: 96-047. Applicant: University of Wisconsin-Madison, Integrated Microscopy Resource, 1525 Linden Drive, Madison, WI 53706. Instrument: Electron Microscope, Model EM 912 Omega. Manufacturer: LEO Electron Microscopy, Germany. Intended Use: The instrument will be used to study a variety of biological specimens to determine the detailed structural consequences to a particular tissue of a specific experimental manipulation. The instrument will also be used to determine the elemental composition of a biological specimen as well as to provide images of its ultrastructure. Application Accepted by Commissioner of Customs: May 2, 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: 95-085R. Applicant: University of Wisconsin-Eau Claire, Eau Claire, WI 54702. Instrument: Absorbance and Fluorescence Stopped-Flow Spectrophotometer, Model SX.17MV. Manufacturer: Applied Photophysics, Ltd., United Kingdom. Intended Use: Original notice of this resubmitted application was published in the Federal Register of September 29, 1995. Docket Number: 95-093R. Applicant: Florida International University, University Park, Miami, FL 33199. Instrument: Stopped-Flow System. Manufacturer: Applied Photophysics, United Kingdom. Intended Use: Original notice of this resubmitted application was published in the Federal Register of November 14, 1995.

Docket Number: 95-097R. Applicant: Johns Hopkins University, 3400 N. Charles Street, Baltimore, MD 21218. Instrument: Stopped-Flow Spectrophotometer, Model SX.17MV. Manufacturer: Applied Photophysics, Ltd., United Kingdom. Intended Use: Original notice of this resubmitted application was published in the Federal Register of November 14, 1995.

Docket Number: 96-025. Applicant: The Pennsylvania State University, The Applied Research Laboratory, P O Box 30 (Atherton St.), State College, PA 16804-0030. Instrument: Mach-Zehnder Interferometer, Model OP35-I/O. Manufacturer: UltraOptec Inc, Canada. Intended Use: The instrument will be used for studies of bulk solids, thin films and material gradients in experiments which involve noncontact elastic property determination, dispersion measurements, vibrational mode measurements, crack detection, and 3-D ultrasonic field profiling. In addition, the instrument will be used for educational purposes in the courses E.Mch. 521 Stress Waves in Solids and E.Mch. 440/Mtsc. Nondestructive Evaluation of Flaws. Application Accepted by Commissioner of Customs: March 1, 1996.

Docket Number: 96-026. Applicant: Bates College, Lewiston, ME 04240. Instrument: Rapid Kinetics Accessory, Model SFA-20. Manufacturer: Hi-Tech Scientific, United Kingdom. Intended Use: The instrument will be used for educational purposes in the course Chemistry 203 - Physical Chemistry Laboratory involving the study of fast reaction kinetics. Application Accepted by Commissioner of Customs: March 6, 1996.

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

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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