

We know of no domestic accessory which can be readily adapted to the existing instrument.

Frank W. Creel

Director, Statutory Import Programs Staff
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North Carolina State University, et al.; Notice of Consolidated Decision on Applications for Duty-Free Entry of Scientific Instruments

This is a decision consolidated 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). Related records can be viewed between 8:30 A.M. and 5:00 P.M. in Room 4211, U.S. Department of Commerce, 14th and Constitution Avenue, N.W., Washington, D.C.

Comments: None received. *Decision:* Approved. No instrument of equivalent scientific value to the foreign instruments described below, for such purposes as each is intended to be used, is being manufactured in the United States.

Docket Number: 95-094. *Applicant:* North Carolina State University, Raleigh, NC 27695-7212. *Instrument:* Stopped-Flow Spectrophotometer, Model SX.17MV. *Manufacturer:* Applied Photophysics, United Kingdom. *Intended Use:* See notice at 60 FR 57221, November 14, 1995. *Reasons:* The foreign instrument provides: simultaneous measurements across the entire white-light spectrum with high beam stability using a diode array detector. *Advice Received From:* National Institutes of Health, December 1, 1995.

The National Institutes of Health advises in its memorandum that (1) the capabilities of each of the foreign instruments described above are pertinent to each applicant's intended purpose and (2) they know of no domestic instrument or apparatus of equivalent scientific value for the intended use of each instrument.

We know of no other instrument or apparatus being manufactured in the United States which is of equivalent scientific value to any of the foreign instruments.

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, D.C. 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, N.W., Washington, D.C.

Docket Number: 95-041R. *Applicant:* University of South Florida, Department of Marine Sciences, 140 Seventh Avenue, South, St. Petersburg, FL 33701. *Instrument:* ICP Mass Spectrometer, Model PlasmaQuad. *Manufacturer:* Fisons Instruments, United Kingdom. *Intended Use:* Original notice of this resubmitted application was published in the FEDERAL REGISTER of June 13, 1995.

Docket Number: 95-121. *Applicant:* University of California, Santa Barbara, Engineering Materials Department, Bldg. 446, Room 112, Santa Barbara, CA 93106. *Instrument:* RF Reactive Atom Source. *Manufacturer:* Oxford Applied Research, United Kingdom. *Intended Use:* The instrument will be used to investigate the epitaxial growth of nitride films by molecular beam epitaxy. The objective of the investigation is to increase understanding of the growth and properties of nitride thin films in order to optimize film properties and fabricate novel electronic and optoelectronic devices based on nitrides. In addition, the instrument will be used for educational purposes in the course Materials 598: Graduate Research Study. *Application Accepted by Commissioner of Customs:* December 13, 1995.

Docket Number: 95-122. *Applicant:* The Pennsylvania State University, Department of Geosciences, 503 Deike Building, University Park, PA 16802. *Instrument:* Trace Gas Preconcentrator. *Manufacturer:* Finnigan MAT, Germany. *Intended Use:* The instrument will be used in experiments to extract fossil air samples from polar ice cores and analyze the composition of these fossil air samples. The data from these experiments will provide the means of

reconstructing the composition of the past atmosphere over the last 250,000 years. In addition, the instrument will be used to demonstrate the various techniques used during the acquisition of stable isotope ratios of various air samples in several geoscience courses. *Application Accepted by Commissioner of Customs:* December 14, 1995.

Docket Number: 95-123. *Applicant:* Carnegie Institution of Washington, Geophysical Laboratory, 5251 Broad Branch Road, NW, Washington, DC 20015-1305. *Instrument:* Upgrade of 252 Mass Spectrometer. *Manufacturer:* Finnigan MAT, Germany. *Intended Use:* The items will be used to upgrade an existing mass spectrometer with the capability to analyze nanomole quantities of O₂ gas. In addition, the instrument will be used for educational purposes in a very active post and predoctoral fellowship program. *Application Accepted by Commissioner of Customs:* December 14, 1995.

Docket Number: 95-124. *Applicant:* University of California, Lawrence Berkeley Laboratory, One Cyclotron Road, Berkeley, CA 94720. *Instrument:* Electron Microscope, Model EM 300. *Manufacturer:* Philips, The Netherlands. *Intended Use:* The instrument will be used for studies of metals, semiconductors, and ceramics to determine the arrangement of atoms in these materials, defects, and interfaces. The instrument will also be used in courses to teach advanced techniques in high-resolution electron microscopy, high-resolution electron holography, and energy-filtered electron microscopy to graduate students. *Application Accepted by Commissioner of Customs:* December 19, 1995.

Docket Number: 95-125. *Applicant:* Pennsylvania State University, Department of Physics, 104 Davey Laboratory, University Park, PA 16802. *Instrument:* Dilution Refrigerator/ Gradient Magnet System, Model KelvinOx¹⁰⁰. *Manufacturer:* Oxford Instruments, Inc., United Kingdom. *Intended Use:* The instrument will be used to study superconductivity and related quantum phenomena in ultrathin films of metals and high T_c oxide superconductors. The ultrathin films of metals will be prepared by quench deposition and measured *in situ* without taking the film outside the ultrahigh vacuum and low temperature environment so that contamination and annealing of the sample can be avoided. In addition, the instrument will be used to train future physicists and materials scientists through Ph.D. and M.S. degree programs. *Application Accepted by Commissioner of Customs:* December 21, 1995.