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invited from organiaztions having the above capabilities. Resumets should contain (1) information which will clearly establish the organizations qualifications, experience and echievement in the area, (2) information concernings personnel available for the project, (3) a brief statement of awareness of problems and factors involved in the suject project, and (4) a description of equipment and facilities available for the project.

It is emphasized that expression of interyest must relate to the specific project which falls within the scope of the area outlined above, and include a scientifically evaluable rationale for the project. Compilation of organizational reports, C.V.'s and general expression of capabilities alone will not suffice.

The synopsis is not a request for a proposal. Only those sources deemed, after, after a review of the resumes to be fully qualified for this project, will be invited to submit proposals. The decision to request proposals for the conduct of the project will be based on the evaluation by the NIEHS staff and its consultants, of the responding organization's prior experience in this field and the feasibility and adequacy of their outlined approaches. Respondents will not be notified of the results of the evaluation. Ten copies of the resume of experience and capabilities should be submitted to: Executive Officer, National Institute of Environmental Health Sciences, P. O. Box 12233, Research Triangle Park, North Carolina 27709 before close of business 1 Mar 72. Telephone calls will not be honored and all inquiries must be in writing and addressed to the office listed below. In order that all prospective contractors be treated on an equal basis, any questions raised by individual prospective contractors and the answers thereto will be made available upon request to oll potential contractors. (R031)

National Institute of Health, 9000 Rockville Pike, Bethesda, MD 20014

A--RESEARCH AND DEVELOPMENT SOURCES SOUGHT CAPABLE OF THE DESIGN, FABRICATION, AND TEST OF A LOW POWER LIGHT WEIGHT OPTICAL ANGULAR MOTION SENSOR. The sensor must be able to operate in a space environment; in operation, it will measure precisely the relative angular motion between the extremities of a large spacecraft and transfer the information to the spacecraft guidance system. The first phase of development will be selection of basic system approach, general system design, selection and identification of critical components, and planning of laboratory test procedures.

Firms having research and development capabilities in the field of optical sensing and transfer (preferably on prior or current government contracts) and sufficient technical and management capabilities who are intersted in receiving a request for quotation for this procurement should furnish info per Notes 32 and 69 to Space and Missile Systems Organiaztion, AF Unit Post Office, Los Angeles CA 90045, Attn: CCB (RFQ F04701-72-Q-0134). Request for RFQ should be in writing. Closing date for submission of RFQ request is 10 days from date of publication of this notice. Late requests will not be considered. Only those sources which have been declared technically qualified will be requested to submit proposals. (R031)

HQ Space and Missile Systems Organization (AFSC) Air Force Unit oPst Office, Los Angeles CA 90045

A--RESEARCH AND DEVELOPMENT SOURCES SOUGHT. PERFORM AN IN-DEPTH STUDY OF THE SOLID WASTE MANAGEMENT AT ONE MAJOR U.S. AIR FORCE INSTALLATION. Organizations are invited to submit their qualification for consideration in this specific R&D effort. The investigation will be directed at all areas of solid waste management practices, including characterization, quantification, storage, collection, and disposal. It will encompass all sold wastes generated on base, including family housing, hospital, classified, industrial, etc. The present solid waste management practices will be thoroughly reviewed to determine: the quantities, types, and composition of the solid wastes; record keeping practices; location and types of storage containers; collection practices, frequencies, and equipment; volume reduction; transportation; disposal practices and equipment; etc. Once the solid waste practices at this base have been determined, a study will be accomplished to optimize these practices. An optimum cost benefit analysis will be performed; this will include, but not be limited to, such items as use of plastic or paper sacks, volume reduction, recycling, evaluation of present collection and disposal systems, regionalization, improvement of the oveerall solid waste management program, etc. A test program based on the above analysis will be recommended which will apply to the base studied with consideration to possible applications at other Air Force bases. Evidence of knowledgeable personnel with prior or related experience in such a program is also required. The Air Force reserves the right toconsider a small business set-aside based upon responses hereto. Submit only unclassified information for evaluation and consideration. Replies to this synopsis must reference R&D Number 010-72 and be received at the fererenced procurement office within fifteen days after publication. A contractual effort of six months duration is contemplated. (R031)

Air Force Special Weapons Center (PMB), Kirtland AFB, NM 87117

A--RESEARCH AND DEVELOPMENT SOURCES SOUGHT. RESEARCH, INVESTIGATION & COMPUTER PROGRAMMING SERVICES TO PROVIDE A SYSTEM EXECUTIVE AND FILE SYSTEM MONITOR NECESSARY FOR IMPLEMENTATION OF AN ADVANCED ON-LINE PATTERN ANALYSIS AND RECOGNITION SYSTEM (OLPARS) facility on a Honeywell G645 computer running under Multiplexed Information and Computing Service (MULTICS) operating system. Implementation of OLPARS, under MULTICS, will provide an advanced pattern recognition capability in a tmie-sharing environment. Respondees must demonstrate specific extensive experience in analysis,design and implementation of computer software systems specfically on G645 equipment. Responses must be received on or before twenty days from date of publication. See Notes 11 and 68. Responses must reference Code B-2-3230. (R031)

Rome Air Development Center (AFSC), Griffiss Air Force Base, NY 13440

A--RESEARCH and DEVELOPMENT SOURCES SOUGHT, OPERATION OF AN ANIMAL BACTERIOLOGICAL DIAGNOSTIC LABORATORY. The National Cancer Institute, National Institutes of Health, is seeking sources for Operation of an Animal Diagnostic Laboratory Including Research into Improvement of Diagnostic Techniques. To receive serious consideration, qualified sources must submit resumes of experience and capabilities as indicated below. It is anticipated that award shall be made for a period of one year. The scope of this effort will consist of a major service phase. This phase will be concerned with the bacteriological monitoring of all rodent colonies under contract to Drug Research and Development (DR&D), Chemotherapy, NCI, and the research animals used for compound evaluation studies. Emphasis will be placed upon the diagnosis of specimens for the presence or absence of Salmonella spp. and Pseudomonas aeruginosa. It is expected that approximately 15,000 to 20,000 diagnostic tsets will be required per year. Monitoring of unusual conditions will be provided on an "as needed" basis.

The research phase of the project will have the following objectives: (1) Improve the reliability and selectivity of cultural systems for the detection and isolation of salmonella in feces of laboratory mice; (2) Improve the procedures for the diagnosis and confirmation of the shedding of Pseudomonas spp. which are currently being utilized concurrently with those applied for Salmonella detection; (3) Conduct epidemiological investigations of the source of infection in outbreaks of shedding by atypical or unusual Salmonella serotypes; (4) Conduct baseline investigations to determine the relative types and number of organisms which constitute the normal feceal flora of laboratory mice; (5) Continue investigations on the separation, identification, and further elucidation of the source and nature of the materials produced by Aerobacter cloacae that inhibit the growth of Salmonella. It is emphasized that the diagnostic aspects of this project are a major part of the project, constituting approximately 80% of the work.

Information submitted must be pertinent and specific in the technical areas under consideration for the following: (1) Experience: Include evidence of the ability to manage and perform the various required tasks, including an outline of projects or pertinent work previously performed, an outline of related in-house efforts, and a resume limited to applicable, completed or on-going projects. (2) Personnel: Submit resumes of professional qualifications of key personnel who may be assigned to this project. (3) Facilities: Indicate availability and description of facilities and equipment required to perform in the technical areas under consideration. (4) Subcontracting: Specify the amount of subcontracting, if any, required to perform this project, identifying the subcontractor involved and indicating work areas to be subcontracted. Resumes must clearly describe any similar work performed, for whom performed, the contracting agency, project officer's name and address, contract numbers, annual dollar value, brief description of work, and dates of performance.

Unnecessarily elaborate brochures or other presentationsof a general nature beyond that sufficient to provide the information called for herein are neither necessary nor wanted. This synopsis is not a request for proposal. After evaluation of resumes received those sources deemed fully qualified to perform the above project will be invited to submit proposals. Other respondents will not be notified of the results of the evaluations. Interested organizations must submit resumes (ten copies), including complete information as indicated above, to Carl Fretts, Chief, Research Contracts Branch, Office of the Director, National Cancer Institute, National Institutes of Health, Building 31 Room 10A06, below address, before close of business, 22 Feb 72. Telephone inquiries will not be honored, and all inquiries must be in writing and addressed to the office listed above. In order that all prospective contractors be treated on an equal basis, any questions raised by them and the answers thereto will be made available upon request to all potential contractors. Current policy at NIH does not permit payment for independent research and development costs. This synopsis in no way commits the Government to award a contract. All resumes must reference NCI-Chemo-72-29. (R031)

A--RESEARCH and DEVELOPMENT SOURCES SOUGHT, COLLECTING COMPOUNDS FOR ANTICANCER TESTING. The National Cancer Institute, National Institutes of Health, is seeking organizations not affiliated with major chemical and pharmaceutical industries to provide services relating to the collecting of chemical compounds and drugs for evaluation as potential anticancer agents. The collecting group will be expected to perform the necessary liaison work to develop potential sources of supply, and to perform onsite collections and delivery all samples with accompanying data sheets to the National Cancer Institute. The materials collected will be from all types of institutions, e.g., industrial, non-industrial, Government, etc. The collectiong group must not be in a competitive position with domestic or foreign industrial donors of samples to the National Cancer Institute and must not be competitive with the research objectives of non-industrial suppliers. It is desirable that the organization have a general background knowledge of program activities of the Chemotherapy Program, National Cancer Institute. The Project Director of this contract must be a mature chemist qualified in organic and/or medicinal chemistry.

The contractor will be required to perform in a manner that will in no-way hinder the relationship which NCI has developed with its suppliers of compounds. The contractor will be required to provide the necessary equipment, staff and facilities. The technical staff must be well grounded in organic chemistry and in the various conventions used in the development of chemical nomenclature and chemical structures and maintenance of appropriate records. Organizations having demonstrated capabilities and qualifications in the above areas desiring consideration for RFP are invited to submit a resume describing (1) organizational background and experience; (2) qualifications and training of professional staff and technical personnel available for assignment to the project with delineation of operational and administrative responsibilities; (3) equipment and facilities available to perform