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August 1979

PROPERTY OF
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Host for International Visitors

Progress Report
July 1, 1978 to June 30, 1979

International Programs Division

SERI

Solar Energy Research Institute

A Division of Midwest Research Institute

1536 Cole Boulevard
Golden, Colorado 80401

Operated for the
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GOLDEN, COLORADO 80401

HOST FOR INTERNATIONAL VISITORS

PROGRESS REPORT
JULY 1, 1978 TO JUNE 30, 1979

INTERNATIONAL PROGRAMS DIVISION

PREPARED UNDER TASK NO. 4321.98

AUGUST 1979

Solar Energy Research Institute

1536 Cole Boulevard
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A Division of Midwest Research Institute

Prepared for the
U.S. Department of Energy
Contract No. EG-77-C-01-4042

FOREWORD

This program plan task was performed in compliance with Contract Number EG-77-C-01-4042 for the Division of Energy Technology of the U.S. Department of Energy. The task was authorized in approval of the SERI FY79 Annual Operating Plan as Task 4321.98 of International Programs. The report was prepared by the professional staff of the International Programs Division of the Solar Energy Research Institute, a Division of Midwest Research Institute.

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SUMMARY

Approximately 300 international visitors representing 63 countries visited SERI for purpose of information exchange during the reporting period (1 July 78 to 30 June 79). This report describes SERI's activities in hosting these visitors and provides some insights into the characteristics of the visitor set. All visitors, with their full address and date of visit, are tabulated.

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SECTION 1.0

INTRODUCTION

During the period July 1, 1978 through June 30, 1979 the Solar Energy Research Institute received and hosted approximately 300 international visitors representing 63 countries. These visitors came singly and in groups and included scientists, engineers, industrial representatives, and government officials of every rank from mayors of cities to persons at the ministerial level of their countries. These visits strongly suggest that international cooperation in solar energy activities will continue to increase and that such cooperation can be of real value to the United States ongoing effort to remain a world leader in the development and perfection of solar technologies. Additionally, the visits in and of themselves manifest the high regard in which this nation's research and technical capabilities are held by other members of the world solar community.

SERI has through these effort provided valuable assistance to the Department of Energy in meeting with foreign visitors on a personal basis. We have observed an increasing interest in solar activities worldwide and a corresponding increase in solar programs and budgets in many nations. These visits should lead to increased exchanges between SERI scientists and engineers and their counterparts throughout the world. This should lead to increased bilateral, multilateral, and regional cooperation in solar energy R&D. For example, as a result of the normalization of relations between the People's Republic of China and the United States, SERI hosted for two days a delegation of energy scientists from China who expressed an interest in collaborative activities between China and the United States. The visits should also lead to increased opportunities for the development of commercial relations between the U.S. solar industry and those responsible for bringing new technologies into the energy system of their country.

SECTION 2.0

PROGRAM STATEMENT

The hosting of international visitors has provided major opportunities for technical and programmatic information exchange in all aspects of solar technologies. In terms of substantive benefits to the United States, it is clear that agreements such as that concluded with Saudi Arabia help maintain the technological preeminence of the United States. The continuation of these visits will further enhance SERI's ability to promote active solar R&D cooperation on the international level, to discuss the many problems that will require resolution if technology commercialization and transfer are to take place, and to negotiate effective international agreements. Formal international solar R&D agreements, for example, have a substantial role to play in filling gaps in the U.S. domestic R&D program, in broadening the base of U.S. solar scientific capabilities, and in fulfilling important U.S. foreign policy objectives.

International visitors provide SERI with useful insights into the many practical problems associated with the coupling of U.S. and foreign solar development activities, with integration of solar systems into the energy development programs of developed and developing countries and the institutional problems that will be encountered during such integration, and with the potential role of the various solar energy technologies. Such insights can provide an assessment tool to define the role that solar energy can play in U.S. international relations.

SECTION 3.0

SERI'S INTERNATIONAL VISITORS

The graphs and charts that appear on the following pages illustrate both the magnitude and diversity of the foreign visitor community during SERI's second year as America's solar focal point. The first graph shows the distribution of the 295 visits by month. The large increase in June 1979 is due in part to the International Solar Energy Society meeting in Atlanta in late May. Many visitors added a stop at SERI to their itineraries. SERI averaged 1.17 international visitors per working day through the year, a number which is expected to increase in the year to come as our research efforts accelerate.

SERI's guests came from throughout the world, although almost half were from Europe. Among the countries most heavily represented were France (48), Italy (25), Japan (20), Australia (19), and Canada (17). Distribution of international visitors by continent is shown in the second chart. The organizations with which they were affiliated were as varied as their nationalities, as shown in the third chart. Industrial organizations and solar manufacturers together equaled universities and research institutions as points of origin. Twenty-two percent of visitors represented government organizations and less than half of those dealt directly with energy matters. The interests of the visitors were well distributed among the solar technologies, as the fourth chart suggests.

The fifth chart reveals the impact of their visits upon SERI units and staff. In all, 1,020 individual contacts by a SERI professional with a foreign visitor were recorded. This does not include the extensive services of making arrangements, reception and escort, performed principally by Mr. Roy Bracken and occasionally by Ms. Carol Shea. Nor does it reflect a number of public lectures or seminars conducted by distinguished visitors during their stay. Estimating the average time spent with a visitor at a conservative 1/2 hour contact, it is clear that there is a substantial hidden investment in international visitor relations (at least 1/4 man-year). The profit from discussions, theoretical and practical, technical and general, with SERI's many eminent visitors is perhaps much more important and very difficult to measure.

All the charts are derived from the tabulation of the 295 visitor records, organized in the ICON (International Contacts) Data Base, a part of the Solar Energy Information Data Bank. The ICON records are tabulated in the appendices that follow. Appendix A is a listing of visitors for the year, alphabetically by name including full address. Appendix B lists visitors by country. In the interest of speed and economy the appendices are reproduced directly from computer printout.

INTERNATIONAL VISITORS BY MONTH

JULY 1978 THROUGH JUNE 1979

INTERNATIONAL VISITORS, BY CONTINENT

JULY 1978 THROUGH JUNE 1979

INTERNATIONAL VISITORS' ORGANIZATIONS

JULY 1978 THROUGH JUNE 1979

INTERNATIONAL VISITORS' INTERESTS

JULY 1978 THROUGH JUNE 1979

SERI CONTACT WITH INTERNATIONAL VISITORS

1020 CONTACTS, JULY 1978 - JUNE 1979

APPENDIX A
INTERNATIONAL VISITORS TO SERI

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