

DRDO SILVER JUBILEE CELEBRATIONS

DESIDOC actively participated in the DRDO Silver Jubilee Celebrations and made valuable contributions through the publicity programmes of the celebrations, as the Centre was entrusted with the responsibility. A colour-documentary film on the role of DRDO for Defence was arranged with Delhi Doordarshan. The TV documentary on DRDO was telecast on 14 Jan 1984 in the National Programme. The film was highly appreciated by the Scientific Adviser to Raksha Mantri, the Chief Controllers of R&D and several Directors of DRDO Labs/Estts.

A number of articles were prepared by DESIDOC on the achievements of DRDO in various fields, for publication in Sainik Samachar, R&D Digest and for circulation to the media. Other publicity material like calendars, stickers, exhibition posters were also designed, printed and distributed by DESIDOC. It also participated in 'DRDO Exposition' held at Pragati Maidan, New Delhi from 13-29 Jan 1984.

DESIDOC also arranged a series of lectures delivered by the specialists in the area of library and Information science. The lectures arranged were as follows:

- o Shri VP Vij, Director (Information) ISI, New Delhi on 'Role of ISONET in Information Dissemination' on 21 Dec 1983.
- o Dr MA Gopinath, DRTC, Bangalore on 'Information User Studies' on 31 Dec 1983.
- o Dr Rajwant Singh, Science Library, University of Delhi, on 'Modern Library Architecture — Principle and Practice' on 9 Jan 1984.
- o Dr NC Khandekar, Director, Computer Centre, University of Delhi on 'Computer Applications to Library and Information Work' on 10 Jan 1984.
- o Shri MC Raghavan, Scientist-in-Charge (Information), Centre Road Research Institute, New Delhi on 'Some Problems in the Acquisition of NTIS Reports' on 11 Jan 1984.

PATENTS HOLDING IN DRDO

Patents are an important source of scientific and technical information. Nearly quarter of a million patents are published in English language alone each year. Information on new processes and products first appears in patents and sometimes these are the only source of detailed description of a new innovation. Some of the information contained in patents may be subsequently incorporated in reports, periodicals or monographs, etc. but much of it never appears in these more accessible forms of publications. Moreover, most of the DRDO Labs/Estts are receiving patent literature which is not known to other sister Labs/Estts and therefore is not being used optimally.

In view of the usefulness of the patent literature, DESIDOC has initiated an effort to compile a handy information tool in the form of Union Catalogue of Patent Literature held by DRDO Labs/Estts for the benefit of DRDO scientists. Data obtained for Union Catalogue of Patent Literature is under processing and the Catalogue will be brought out soon.

ON-LINE TERMINAL AT DESIDOC

An on-line terminal which is hooked to the main computer system located in the Metcalfe House Complex, has been installed at DESIDOC Library. The terminal is also connected to the DRDO HQs at Sena Bhavan through the communication network PRIMENET.

The terminal is being used by the scientific staff for on-line searching of DRDO-IRS database (the database that is being organised by DESIDOC) in an interactive mode. In addition to this, the terminal is being used for regular bibliographic data processing jobs and also for operation of SDI services against user interest profiles.

It is proposed to computerise the circulation system of library books and reports etc.

LIBRARY SERVICES

Forty-one books and 487 reports were acquired and accessioned by the Library during this period. The subject covered by these books included Library Science/Documentation, Military Science, Polymer Science, Remote Sensing, Management, and Metallurgy.

Over 745 books/periodicals and 50 reports were issued on loan to SO to SA, CCR&D (K), SA to CAS, SA to CNS, R&D Labs/Estts and Delhi University.

About 8490 Xerox copies of documents were also supplied to different R&D Labs/Estts.

Reading without reflecting is
like eating without digesting.

— Edmund Burke

BOOKS YOU MAY LIKE TO READ

Ebbitt, WR : Writers' guide, 6th ed. London, Scott Foresman, 1978.

Cronin, Blaise ed : The marketing of library and information services. London, ASLIB, 1981.

Tripathi, SM: Fundamentals of modern library organization and administration. Delhi, Ajanta Publications, 1983 (Hindi edition).

Brown, KR ed : The challenge of information technology. Amsterdam, North-Holland, 1983.

Spivack, J F ed : Careers in information. New York, Knowledge Industry Publications, 1982.

Library and information manager's guide to on-line services. New York, Knowledge Industry Publications, 1980.

Williams, ME : Annual review of information science and technology. New York, Knowledge Industry Publications, 1978.

Harriss, J : The complete reporter — Fundamentals of news gathering, writing and editing. New York, Macmillan, 1981.

Third European congress on information systems and networks, overcoming the language barrier, Luxemburg, 3-6 May 1977 (2 Vol). London, KG Saur, 1978.

Gundell, Glenn : Writing — from idea to printed page. New York, Greenwood Press, 1969.

Canavan, PJ : The effective writers' companion, Glenview, Scott, 1981.

TRANSLATION ACTIVITIES

The following translations were completed from different languages:

RUSSIAN

- R-481 Application of light rangefinder for levelling the optical lengths of the amplifying channels of multichannel laser sets by Volkonsky V.B. and others. Izvest Akad Nauk SSSR, Seriya Fizicheskaya, 1982, 46(10), 2051-2054.
- R-482 Precision measurement of gravitational acceleration by the laser interferometry by Arnautov G.P. and others. Izvest Akad Nauk SSSR, Seriya Fizicheskaya, 1982, 46(10), 2055-2060.
- R-507 Booklet: Infra-red device PNV-57: Technical description and operating instructions.
- R-508 Powders obtained by plasma dispersed chips by Asnov A.N. and others. Physical chemistry of material treatment 1982, No. 6, 144-145.
- R-509 Role of T-x and To-x diagram in obtaining alloys in fine crystalline and amorphous state by Malonakov V.V. and others.
- R-510 Activation of sintering of product of molybdenum fibres by Kostronov A.G. and others. Poroshkovaya Metallurgiya, 1981, 223(7), 20-22.
- R-511 Phase diagram of Ti-Ti₂Ni-TiCu system by Budberg F.V. and Alisova S.P. Doklady Akad Nauk SSSR, 1979, 244(6), 370-373.
- R-512 Deformation study of porous materials of Metallic fibres in pressing and in sintering by Kostronov A.G. and Skorokov V.V. Poroshkovaya Metallurgiya, 1972, 110(2), 7-14.
- R-513 Peculiarities of sintering process of porous items from metallic fibres by Kostronov A.G. and others. Poroshkovaya Metallurgiya, 1981, 227(11), 21-24.
- R-514 Minima on the melting diagram of V-W and V-Ta systems by Koltygia V.M. and others. Iz. Vuz. Metallovedenie, 1975, 6, 126-129.
- R-515 Possibilities and perspectives of aerodrome constructions and of states by Antarties, 191-192.
- R-516 Preparation of landing and take-off strips on station by the method of compression of snow firm stratum, 113-128.

- R-517 Sensitivity of strain resistors on Al_xGa_{1-x}As base varizional layers, AN SSSR.

JAPANESE

- J-303 Dimension of fractures of concrete slabs caused by surface blasting by K. Okazaki et al J. Ind. Exp. Soc. Japan, 1982, 43(1), 29-39.
- J-306 Seasonal changes in the oviposition activity of culex pipiens molestus forskal in the above ground water by T. Oda and M. Uedo, Nettai Igaku 1979, 21(3), 139-144.
- J-307 Grinding of ammonium perchlorate by Vibration ball mill by Y. Hagiwara. Kogyo Kayaku Kyokai-shi, 1982, 43(2), 70-74.
- J-309 Emulsion type explosives by Takeuchi. Kogyo Kayaku Kyokai-shi, 1982, 43(5), 285-93.

GERMAN

- G-1116 Investigations on arrival of preimaginal stages of blackflies on artificial substrate with special reference to Boophthora erythrocephala de Geer, by M. Pegel and W. Ruhm. Zeitschrift fur Angewandte Entomologie, 1982 (1976), 65-71.
- G-1117 Design, performance and similarity laws of subsonic parachutes (DFVLR-Report).
- G-1118 SEV Centre for evaluation and control of electronic components-takes and structure by A. Biralini. Buk. SEV/VSE 70(1979), 21, 1173-1177.
- G-1119 Pharmacokinetic investigations as an aid to interpreting the course of toxicity tests by R Hammer. Arzneim-Forsch/Drug Res. 28(11), vol. 11a(1978), 1981-1983.
- G-1120 Alloys of tungsten and Nickel by Rudolfe Vogel, 231-242.

FRENCH

- F-559 Early warning Aircrafts by George Bruner L'Aeronautique et L'Astronautique 1978, 69(2) 79-91.
- F-549 ERATO: A french concept of electronuclear space mooring aircrafts by G. Poher, L' Aero et L' Astro, 100, 1983(3), 3-10.
- F-551 Ignition by heated wire: coupling a thermal effect and a shock by J Sorel. Sc et Tech de l' Armement 55(1), 1981, 57-76.
- F-554 Fight against river taetseflies traps impregnated with insecticides in the west savana region by Laveissiere et al Part 1- Cash, O.R.S.T.O.M. Ser. Ent. and

CONFERENCES ATTENDED

- o S/Shri SS Murthy, Director, DESIDOC and VK Rangra, Sci. 'D' attended the 29th All India Library Conference (Golden Jubilee) held at Mysore from 5-9 Dec 1983. Shri VK Rangra presented a paper on 'Information Network in Defence Science & Technology' by Shri SS Murthy and VK Rangra. Shri SS Murthy acted as Chairman of the session on 'Computer Application in Libraries in India'. Shri VK Rangra acted as Rapporteur for the session on 'Special Libraries/Information Network in Science and Technology in India'.
- o S/Shri SN Mehta, Sci. 'D'; SK Ghosh, Sci. 'B', BK Nigam, Sci. 'B'. SC Saxena, JSO, RK Srivastava, JSO and Smt Meera Ghosh, Sci. 'B' attended 14th IASLIC All India Conference held at INSDOC, New Delhi from 26-29 Dec 1983.

PROFESSIONAL TRAINING

Smt Kiran Mittal, JSO was deputed to attend the Course on 'Information Science 1983-84' conducted by INSDOC New Delhi.

S/Shri SP Rawal, JSO and Devendra Kumar, JSA attended '20th National Training Programme on Information Storage and Retrieval System' conducted by Small Scale Industry Extension Training Institute from 16 Jan - 3 Feb 1984.

PAPERS PUBLISHED

Murthy, SS & Rangra, VK

Information Network in Defence Science & Technology in India. In Fifty Years of Librarianship in India: Past, Present and Future. Indian Library Association, Delhi, 1983, pp 282-87.

Rangra, VK

Role of Defence R&D Organisation Libraries in the National Development. In GILA Golden Jubilee Souvenir, 1983. pp B1-B4.

Mehta, SN and Singh, SN

Relevance of Dr. Ranganathan's works to recent trends in librarianship with particular reference to India. In Developing Horizons in Library and Information Science, Vol 2, Edited by CD Sharma and Kailash Vyas. Printwell Publishers, Jaipur, 1983, pp 1-15.

PRINTING ACTIVITIES

In addition to the routine printing and binding jobs of Defence R&D HQs and the Establishments in Metcalfe House Complex, special printing jobs were executed on the occasion of the DRDO Silver Jubilee Celebrations in January 1984, which were well received.

Parasitology 1980, 18, 201-221.

- F-561 Phase equilibrium study of Ni-Nb-W and Ni-W, by Colette et al. CR. Acad. Sc. Paris, 1972, 274.
- F-562 Estimation of phase diagram of Nb-W system by Colette C. R. Acad. Sc. Paris, 1972, 274.
- F-563 Study of the system W-Ni-Cr at high temperature by Thomas Margaria, Conf. on thermophysical properties of solid at high temperature, Moscow 1976, 18-21.

A special issue of Defence Science Journal on 'Ocean Optics' is being published for January 1984. The papers included in this issue were presented in a Seminar on the topic held at Instrument Research & Development Establishment, Dehra Dun on 18 April 1983. Ten papers on specific areas of Ocean Optics viz, laser based underwater optical system, imaging and photography, ranging, acoustical holography, fibre optics, etc. have been selected. Dr R Hradaynath, Director, IRDE is the Guest Editor for the special issue.

Dear Reader,

We are glad to inform you that we have entered into the 4th year of publication. It has been our endeavour to post you with the activities of DESIDOC. For better communication, we require your correct address. Kindly intimate any change in your mailing address.

Editor : UR Sharma.

Printed and Published by DESIDOC, Metcalfe House, Delhi-110054.