

DESIDOC

BULLETIN

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DEFENCE SCIENCE JOURNAL AWARDS TO SCIENTISTS



Dr VS Arunachalam, SA to RM addressing the winning scientists at DSJ Awards function

Forty-four scientists from DRDO and other civil institutions were given awards for the best papers, published in the Defence Science Journal (DSJ) during the last three years (1981-83). The 'Awards Presentation Function' was held at the Metcalfe House Complex, Delhi on 24 Sept, 1984.

The Defence Science Journal is a research periodical of the Defence R&D Organisation, brought out by the Defence Scientific Information & Documentation Centre (DESIDOC), Delhi. It publishes original research papers and review articles in various disciplines of science, such as Aeronautics, Armaments, Electronics, Explosives, Naval Sciences, Food Technology, Natural Sciences, etc with orientation to Defence needs.

Dr VS Arunachalam, Scientific Adviser to Raksha Mantri and Secretary Defence Research, addressed the scientists before the award presentation function. He said that communication of the results of research is of utmost importance in this rapidly developing world of science. He also emphasised the need for patronising Indian Scientific Journals and to do away with the tendency for

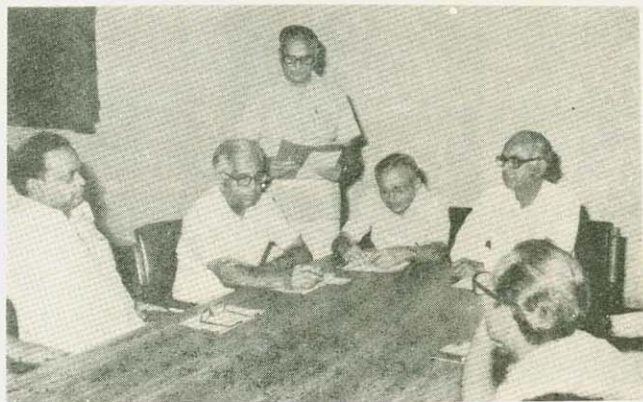
publishing papers only in foreign journals.

Dr M Krishnamurthi, Chief Controller Research & Development gave away the awards to the scientists. Vice Admiral BG Mudholkar, IN AVSM, Chief Controller Research & Development presided over the function. Shri SS Murthy, Director, DESIDOC in his welcome address briefly referred to the scope and growth of the Journal and efforts made to improve the contents of the Journal during the last 2-3 years.

The occasion provided a forum for close interaction, between the scientists of various institutions and Defence scientists for promoting Defence Science in the country.

IASLIC SPECIAL INTEREST GROUP MEETING

The IASLIC Special Interest Group meeting was held at DESIDOC, Delhi on 8 August 1984 in which about 25 Information Officers/Librarians of Delhi participated notable among those were Shri Girija Kumar, Librarian



IASLIC Special Interest Group meeting in progress

JNU & President ILA; Prof AP Srivastava, Librarian Delhi University; Shri B Guha of INSDOC; Dr N Vijayaditya of NIC and Lt Col SK Malhotra, Officer-in-Charge, DRDO Computer Centre. The meeting was presided over by Shri SS Murthy, Director, DESIDOC. Prof M Krishnamurthi, Chief Controller Research & Development was the Chief Guest.

The Convener of the Group Shri VK Rangra, Sci 'D' delivered the welcome address. He explained that the objectives of the Group are to promote activities regarding the exchange of experience in the design and development of computerised library and information system, and to provide services and create conditions conducive to computer applications in library and information work. He solicited suggestions, assistance and cooperation from the participants on the proposed SIG (CA) project named 'Compilation of a Directory of Computerised Systems Introduced in the Library and Information Field in India'.

Prof M Krishnamurthi in his address emphasized the importance of computerisation, especially in the wake of information explosion. He stressed the need for co-operation and collaboration among libraries, in data base creation and resource sharing to avoid duplication of effort. He mentioned that some institutions like National Informatics Centre, INSDOC, BARC and DESIDOC, have introduced computerisation in library and information work and are developing it further, but much remains to be done in the country. In this context the role of this Special Interest Group assumes importance and he hoped that the group will make significant contributions.

In his presidential address, Shri SS Murthy stressed the need of the computerisation in library and information work not only to modernise the system but also to increase efficiency in services in any organisation. He pointed out the lack of co-operation and co-ordination among professional groups, in developing software and

sharing of know-how which wastes time, labour and money. He said that considerable experience has been gained in the computerisation system developed by DESIDOC for SDI, on-line search, in-house data base creation and profile construction. He offered necessary help and guidance to any institution, interested in computerising their information services.

S/Shri Ambrish Kumar and RK Srivastava gave a demonstration of the DRDO-IRS developed at DESIDOC.

The system uses COBOL and is operated on PRIME-750. The system provides the outputs as Subject Bibliography of Input Records, Personal Author Index, Corporate Author Index, Descriptor with Truncated Title Index, Document Type Index and SDI. The system was demonstrated on computer terminal installed in DESIDOC Library. Some of the participants operated the terminal and processed short queries. The participants were also taken around DRDO Computer Centre.

The participants expressed their appreciation and assured to extend their co-operation in the future activities of the Group.

WORKSHOP ON UDC

A workshop on Universal Decimal Classification (UDC) was held at the Naval Physical & Oceanographic Laboratory, Cochin during 27 Aug - 3 Sep 1984. Thirteen participants from R&D Labs/Estts of southern/western zone participated in this second workshop on UDC, organised by DESIDOC under its 'Users' Education & Training Programme'. The curriculum included background lectures on theory of library classification and detailed lectures on UDC with emphasis on practical assignments. The titles of the documents selected for classification covered books, journals, articles, technical reports, patents and standards.

S/Shri VK Rangra and SN Mehta, Sci 'D' of DESIDOC constituted the core faculty of this workshop. Prof KA Isaac and Shri CV Rajan Pillai of Department of Library and Information Science, University of Kerala delivered the background lectures. A visit for the participants was arranged to the Library, University of Cochin which practices UDC, and also to the INS Brahmaputra for familiarising the participants, with the problems of Naval Science & Technology.

The workshop was inaugurated by Dr KK Verma, Dy Director, NPOL. The valedictory address was delivered by Dr VK Aatre, Director, NPOL. Shri SS Murthy, Director, DESIDOC, gave away the certificates at the conclusion of the workshop. Shri Murthy also discussed with the participants about their reaction to this work-

shop. A feed back on prescribed proforma was submitted by the participants, in which they rated the workshop as 'very useful'.

Shri VK Rangra acted as the Workshop Director.

CONVENTION/COURSES ATTENDED

S/Shri SS Murthy, Director, DESIDOC and NK Sehdev, Artist-cum-Photographer attended the 'First National Convention and Exposition on Micrographics' organised by Micrographic Congress of India from 19-21 Sept 1984 at Ashoka Hotel, New Delhi.

Shri BK Nigam, Sci. 'C' attended the course on 'Techniques of Financial Management' organised by National Aeronautical Laboratory, Bangalore on 13-14 Sept 1984.

Shri BC Sharma, Stores Officer attended the course on 'Material Management' organised by DIWS, Mussoorie from 3-10 Sept 1984.

Shri Anil Kumar Sharma, SSA attended a course on 'COBOL Programming' organised by DRDO Computer Centre Delhi, from 27-29 Sept 1984.

PERSONNEL NEWS

Appointment

* Shri R Sudershan, Sci. 'B' wef 25.9.84

DESIDOC extends him a warm welcome

Promotions (Ad-hoc)

	From	To	Wef
Smt. Surjit Kaur	Steno Gde III	Steno Gde II	24.8.84
" Parkash Wati	LDC	UDC	1.4.84

Hearty congratulations to them

Transfer

Shri Net Ram, JSO to Dte of Personnel, Defence R&D HQrs wef 31.8.84

Superannuations

* Shri ML Kakar, Sci. 'B' wef 30.9.84
 * " Ram Kishan, Civ Mt. Driver Wef 31.8.84

We pray for their good health and longevity.

BOOKS WORTH READING

- o The abc of BASIC: An introduction to programming for libraries by Eric J Huntor, London, Clive Bingley, 1982.
- o Abstracting and indexing by Jennifer E Rowley, London, Clive Bingley, 1982.
- o Author's guide to journals in library and information science by Norman D Stevens and Nora B Stevens. New York, The Haworth Press, 1982.
- o The challenge of information technology by KR Brown. Amsterdam, North Holland, 1983.
- o Mrs Gandhi, by Dom Moraes, New Delhi, Vikas, 1980.
- o Newswriting and reporting by James M Neal and Suzanne S Brown. Delhi, Surjeet Publication, 1976.
- o Press and advertisers' year book. New Delhi, INFA Publications, 1983.
- o Proceedings of the 14th IASLIC conference held at INSDOC, New Delhi, 26-29 Dec 1983. Calcutta, IASLIC, 1983.
- o Studies in the application of free text package systems for information storage and retrieval in libraries and related information centres, by John H Ashford and Derk I Matkin. London, The Library Association, 1982.

LIBRARY SERVICES

New Acquisitions

132 books and 592 reports literature were received and accessioned in Defence Science Library during the period. The subjects covered by these books and reports included Aerodynamics, Chemical Engineering, Computers, Electronics, Information Science, Lasers, and Sonar.

Publications Loaned

839 books/periodicals and 40 reports were loaned to R&D HQrs Directorates and Labs/Estts.

INFORMATION DISSEMINATION

Information on the following topics was collected from the literature available in Defence Science Library and supplied to the indentors:

- o Controllable noise maker
- o Carbon fibres
- o Electronic warfare
- o Camouflage materials and techniques
- o Airland battle in 2000 AD
- o Naval sensor system
- o Towed array sonars
- o Signal processing techniques
- o Satellite technology
- o India's achievements in space science

Information was also disseminated through 'Spot News on China' and 'Science & Technology in Pakistan'.

390 items of information were also collected from daily newspapers on relevant topics and brought to the notice of top management of DRDO.

TRANSLATION ACTIVITIES

DESIDOC TRANSINDEX — 1983, an index of translations done at or procured by DESIDOC during the year 1983 has been published. It contains 174 titles of English translations from French, German, Japanese, Russian and Swedish languages. It also contains source, author, subject and translation number indexes for facilitating information search from various approaches.

Photo-copies of five translations comprising 107 pages were supplied to DSC and IDL Chemicals Limited, Hyderabad on request.

Bibliographic information on translations announced in IASLIC Bulletin was collected and index cards were filed according to source, subject and authors.

The following new translations done at the Centre during the period were indexed and classified.

FRENCH

- F-- 570 Signal treatment problem: Research on eventual unity whose value are not known beforehand by L Gerardin. Rev. Technique Thomson-CSF, 1983, 15(2),415-436.
- F-- 571 Development and present position of the antennas for Air Defence Radars by S Drabowich. Rev. Tech. Thomson-CSF 1983, 15(2),469-494.
- F-- 573 Snow and Avalanche, 1983, 31.

- F-- 575 Snow and Avalanche, 1983, 32, 51-62.
- F-- 576 Study of the silicon deposit process in gaseous phase by JP Duchemin. Rev. Tech. Thomson-CSF, 1977, 19(1).
- F-- 577 Kinetic study of the incorporation of impurities during the epitaxial growth of silicon by JP Duchemin. Rev-Tech. Thomson-CSF 1977,9(2).
- F-- 579 Relation between the electronic structure and the shock sensitiveness of the secondary explosives by A Dulpeuch and J Cherville. Propellants and Explosives, 1978, 8.

JAPANESE

- J-- 196 Synthesis of trimellitic anhydride and Pyromellitic anhydride by T Yoshida et al. SEKIYU CAKKALSHI, 1973, 16(1) 20-24.
- J-- 218 System evaluation technique by A Sekino et al. DENSHI TSUSHIN GAKKAISHI, 1979, 62(11) 1269-74.
- J-- 297 Electric spark sensitivities of explosives by Y Mizushima KOGYO KAYAKU KYOKAISHI 1978, 39(3) 124-28.
- J-- 220 Data base machine architecture by S Uemura. DENSHI TSUSHIN GAKKAISHI, 1979, 62(11) 1289-96.

GERMAN

- G--1123 Principles of wire-strain gauges-techniques, the wire strain gauges, an universal aid for experimental stress analysis by Obering K Haffman.
- G--1132 Operation manual for temperature devices
- G--1141 Characterization of corrosion inhibitors for iron metals in acids by impedance measurements by Reinhard, KOT and Konrad Hahn. Chem Tech. 32(6) 310-314.

RUSSIAN

- R-- 530 Constitution and properties of binary metallic alloys by A Evol. Fiziko Matematicheskiei Literaturi' Moscow 1962.
- R-- 533 Handwritten pages on chemical and defarring agents.
- R-- 537 W-Zr system-some change of physical properties in W-Zr system.
- R-- 538 Preface & contents of the book — 'waves and radiation of upper atmosphere' by Avokyan et al.