

## 2nd Meeting of DRDO Library/ Information Officers

The 2nd Meeting of the Officers-in-Charge of Libraries/TICs of the DRDO was held at DESIDOC on 2-3 December, 1980. The main aim of the Meeting was to identify the common problems among the Libraries/TICs in the dissemination of information to scientists and suggest remedial measures to improve the efficiency. The Meeting was inaugurated by Prof M Krishnamurthi, CCR&D(K). Forty-six delegates from R & D HQ, Labs/Estts attended the Meeting.

Inaugurating the Meeting, Prof Krishnamurthi said that there was a need to define clearly the role of DESIDOC in information processing and dissemination activities in DRDO. He added that a system should be devised for prompt exchange of information among the TICs and between the TICs and DESIDOC. He expressed the hope that the technical discussions in the Meeting would be fruitful and the recommendations made would be faithfully implemented.

Addressing the delegates, Dr JVS Anjaneyulu, the then Director of Materials and Biomedical Sciences at the DRDO HQ, said that the utility of an information scientist is judged primarily by the quality of information he supplies and by its timeliness. He suggested that a duplicate card of the information

indexed by TICs should be passed on to DESIDOC. Dr Anjaneyulu appreciated the topics which had been set down for discussion in the various technical sessions.

Earlier, welcoming the delegates Shri SS Murthy, Director, DESIDOC, expressed his gratitude for the keen interest evinced by Prof Krishnamurthi in the functioning of DESIDOC and said that DESIDOC as a central facility for dissemination of information has to reorient its activities so as to function in tune with the current activities of DRDO *vis-a-vis* the developments in the field of Documentation and Information. He said that there was a need to evolve a departmental working manual of simplified and effective procedures for Libraries/TICs for better performance.

The Meeting was organised in four technical sessions, viz. (i) Admin Procedures for Libraries/TICs, (ii) Manpower Norms, (iii) Training of Library/Information Personnel and (iv) Integrated Approach to DRDO Information System.

### Salient Recommendations

1. Taking up of DESIS project by DESIDOC in order to provide computer-based information to DRDO HQ and Labs/Estts.
2. Dissemination of project-oriented information by

DESIDOC in co-operation with the TICs.

3. Augmentation of reprographic facilities at DESIDOC to create and reproduce documents in microfilm/microfiche form.
  4. Adoption of a simplified procedure for procuring reports, periodicals and books.
  5. Compilation of Union Catalogue of Reports.
  6. Drafting of a working manual of simplified procedures for R&D Libraries.
  7. Organisation of a full-fledged course of post-graduate standard in Library and Information Science.
  8. Liaison between the TICs of Labs/Estts located in the same region with regard to acquisition of costly publications like Chemical Abstracts, etc.
  9. DESIDOC to act as (i) a central office for exchange of publications of DRDO with foreign organisations, (ii) central repository of back volumes of journals having retrospective value, and (iii) procurement agency for military standards and specifications for the TICs.
  10. Enhancement of the financial powers of Directors of the various Labs/Estts for binding work to Rs. 10,000/-.
- The Minutes of the Meeting along with the Recommendations, have already been sent to the R&D Labs/Estts and the R&D HQ.



## Translation Activities during December 1980

### I. BOOKS/ARTICLES TRANSLATED

Title/Author	Name of Indenting Unit	Pages Translated
<b>RUSSIAN</b>		
Physical Metallography of Titanium by B.A. Kolachev.	DMRL, Hyderabad	17
<b>FRENCH</b>		
A finite order mathematical representation of digital signal.	LRDE, Bangalore	22
Design of finite impulse response digital filters.	-do-	7
Application of thick and thin films technology to high microwave frequencies.	-do-	12
Mathematical model for the electric breakdown of skin membrane under the impact of spherical projectile.	TBRL, Chandigarh	18
Elementary theory of linear shaped charges.	-do-	24
<b>JAPANESE</b>		
Studies on experimental schistosomiasis : I—Studies on the methods for mass breeding of snail intermediate host <i>Oncomelania Hupensis nosophera</i> .	DRDE, Gwalior	7
Studies on experimental schistosomiasis : II—The fecundity and successive breeding of various species of <i>oncomelania</i> in the laboratory.	-do-	9
Recent trend in power supply for the telecommunication system	LRDE, Bangalore & IRDE, Dehra Dun	9
New heat curing processes.	DSC, Delhi	6
Phase transformation and their effects on hardness in Ti-6 Al-4V alloy.	DMRL, Hyderabad	7
<b>GERMAN</b>		
A Survey on development organisation and problem of firing—part I and II.	ERDL, Pune	18
Ions as fastest fire alarms.	-do-	3
A new instrument for determining explosion temperature.	-do-	3
Possibilities of application of differential thermoanalysis and thermogravimetry while studying explosives.	-do-	16
Radiation protection rules for technical application of X-ray equipment upto 500 kV. Rules for manufacture, installation & operation, and rules for calculation of radiation protection.	-do-	16

### Union Catalogue Division Formed

Consequent to the 2nd Meeting of Officers-in-Charge of Libraries/TICs of the DRDO held at DESIDOC on 2-3 December, 1980, a Union Catalogue Division has been set up in DESIDOC under the charge of a Scientist 'D'.

The functions of the Union Catalogue Division include compilation of the Union Catalogues of periodicals, technical reports and books held in the DRDO Labs/Estts. These will give the scientists information about the availability of publications in various libraries of the DRDO and help in avoiding duplication in the acquisition of costly volumes.

To start with, the compilation of 'Union Catalogue of Periodicals Holdings' of all the DRDO Labs/Estts has been undertaken. The necessary proforma was designed and sent to R&D Labs/Estts for obtaining the required information on holdings.

### Course on Technical Writing

DESIDOC is organising a 10-day refresher course on 'Effective Technical Writing' at Metcalfe House, Delhi in collaboration with the Central Institute of English and Foreign Languages, Hyderabad. This course is intended for scientists engaged in information communication and those required to write technical reports, papers, etc.

The course, which is scheduled to commence on 26 February, 1980, will be on workshop pattern with emphasis on practical work and will aim at enabling the participants to communicate accurately and effectively in a clear and precise manner.

In the first instance, this Course will cover the R&D Labs/Estts based in the North Zone and it will be repeated to cover the remaining DRDO Labs/Estts.

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**Information Disseminated during December 1980**

Indexed Items	No.
DESIDOC List	14
Patents Abstracts	65
Defence Reports Abstracts	76
Newspaper Information	
Spot News on China	22
Science & Technology in Pakistan	8
Indian Press on DRDO	13
Queries Answered	
R&D HQ	6
R&D Labs/Estts	1

**Library Services during December 1980**

● *Publications Loaned*

	R&D HQ	R&D Labs/Estts	Outside R&D	Total
Books	10	221	2	233
Periodicals	42	299	7	348
Reports	5	37	4	46

● *Publications Accessioned*

Books	47
Reports	89

● *Readers' Queries Answered*

R&D HQ	9
R&D Labs/Estts	27

**Bibliographies Prepared and Supplied during December 1980**

Topic	To
Troposcatter Communication	Signals Dte
Air Defence System	SA to CAS

**Printing Activity**

Nineteen jobs involving 15,072 impressions were completed during December, 1980. The printing jobs included, among others, reports and other material received from SA to RM, CCsR&D, DPR, Defence Science Centre (DSC) and Dte of Tech Coord.

**Papers Published**

1. Mehta, S.N. & Puri, U.R. (Mrs.), Reading and Learning Habits of Children—Role of Children's Libraries in Developing Countries, *ALIS Bulletin*, 3(2), 1979, 88-92.
2. Mehta, S.N. & Gupta, S.P., Scientific Periodicals : Their Problems and Future Prospects, *Informatologic Yugoslavia*, 12(1-2), 1980, 7-16.

**SDI Bulletins Prepared and Supplied during December 1980**

Series	No.
AFV	2
Military & Naval Aircraft	8
Military Electronics	3
Military Organisation and Warfare	1
Nuclear Weapons	3
Radar	1
Science Policy & Planning	3

**Reprographic Activity during December 1980**

Requests received	173
Repro-copies supplied	6954
Slides supplied	80
Projection facilities provided	3 times

**R & D Digest—Special Issue**

R & D Digest, Feb '81-Apr '81, is a special issue containing proceedings of the following conference and the seminar :

- (i) Conference on 'Pressure Vessel Technology' held at R&DE(Engrs), Pune on 22-23 February, 1980.
- (ii) Seminar on 'VRDE Trial Tracks and their Utilization by Industries and other Agencies' held at VRDE, Ahmednagar on 4 July, 1980.

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Title/Author	Name of Indenting Unit	Pages Translated
A design for combating armoured targets.	ERDL, Pune	13
Laboratory tests and open air observations regarding visual acuity and behaviour of old world vultures.	SA to CAS, New Delhi	52
Contribution to etching of GaAs(II). Kinetics of solution of GaAs.	SPL, Delhi	12

2. ABSTRACTS PREPARED

A total number of 49 articles (Russian 29, French 20) were abstracted from scientific periodicals received in the Defence Science Library for publication in the quarterly bulletin 'Science Abstracts from Foreign Language Journals.'

## DEFENCE SCIENCE JOURNAL

The Defence Science Journal is a quarterly publication issued in the months of January, April, July and October.

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