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 JVSR 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-à-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.
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

### 1. BOOKS/ARTICLES TRANSLATED

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

Contd. on page 3

### 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.
Information Disseminated during December 1980

Indexed Items
- DESIDOC List
- Patents Abstracts
- Defence Reports
- Abstracts

Newspaper Information
- Spot News on China
- Science & Technology in Pakistan
- Indian Press on DRDO

Queries Answered
- R&D HQ
- R&D Labs/Estts

Bibliographies Prepared and Supplied during December 1980

Library Services during December 1980

<table>
<thead>
<tr>
<th>Topic</th>
<th>To</th>
</tr>
</thead>
<tbody>
<tr>
<td>Troposscatter Communication</td>
<td>Signals Dte</td>
</tr>
<tr>
<td>Air Defence System</td>
<td>SA to CAS</td>
</tr>
</tbody>
</table>

SDI Bulletins Prepared and Supplied during December 1980

Series
- AFV
- Military & Naval Aircraft
- Military Electronics
- Military Organisation and Warfare
- Nuclear Weapons
- Radar
- Science Policy & Planning

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, CCR&D, DPR, Defence Science Centre (DSC) and Dte of Tech Coord.

Reprographic Activity during December 1980

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

Name of Indenting Unit
- ERDL, Pune
- SA to CAS, New Delhi
- SPL, Delhi

Pages Translated
- 13
- 52
- 12

Papers Published


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.
DEFENCE SCIENCE JOURNAL

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

The Journal publishes research papers in the various disciplines of science and technology which by and large lead to tangible results for direct Defence applications. Review papers which cover topics clearly bringing out the interactions of science and technology with Defence are also included. Short Communications or Research Notes are also accepted for publication in the Journal.

Communications and
Editorials
Contributions for publication in the Defence Science Journal should be addressed to:

THE EDITOR,
DEFENCE SCIENCE JOURNAL,
METCALFE HOUSE,
DELHI-110054.

Subscription and Sales
Copies can be had on payment of subscription in advance by crossed cheque or M.O. from:

THE CONTROLLER OF PUBLICATIONS,
GOVERNMENT OF INDIA,
DEPARTMENT OF PUBLICATIONS,
DELHI-110054.

Subscription Rates

<table>
<thead>
<tr>
<th></th>
<th>Inland</th>
<th>Foreign</th>
</tr>
</thead>
<tbody>
<tr>
<td>Annual</td>
<td>Rs. 8.00</td>
<td>£ 0.93</td>
</tr>
<tr>
<td>(From 1 April to 31 March)</td>
<td></td>
<td>$ 2.88</td>
</tr>
<tr>
<td>Single copy</td>
<td>Rs. 2.00</td>
<td>£ 0.23</td>
</tr>
<tr>
<td></td>
<td></td>
<td>72 cents</td>
</tr>
</tbody>
</table>

POPULAR SCIENCE AND TECHNOLOGY

• An illustrated half-yearly popular journal that conveys information on scientific and technological developments in a simple language.
• Presentation is concise and comprehensive.
• Interesting colour pictures are given to clarify scientific ideas.

Issues Available:

1. The Story of Projectiles
2. Food for our Sentinels
3. Nurture Your Body—Gift of Nature
4. Electronics Shapes Tomorrow
5. Man in the Sea
6. Plastics—The Miracles from Molecules
7. Laser
8. Aeronautics

Copies and other information can be had from:

The Director,
Defence Scientific Information and
Documentation Centre (DESIDOC)
Metcalfe House, Delhi-110054.

Price: Re. 1/- per copy

"Subscription to be remitted by crossed postal order or cheque in favour of Director, DESIDOC, Popular Science and Technology".