

—A two week programme was conducted in June '88 to give an indepth knowledge of UNIX O.S. to CAT users.

—A. K. Gupta

Workshop

The scientific programmes at CAT require support of a modern workshop with facilities for precision machining. The CAT Workshop, which has two wings, is being established with this in mind. The two machine shops have HMT centre lathes, milling machines, surface grinders, drilling machines, bandsaw, hydraulic press, shearing machine, plasma cutting machine and various other facilities such as TIG welding facility, arc welding facility, gas cutting facility, silver brazing facility etc. In addition, the workshop has recently installed a Jig Boring machine manufactured by M/s SIP, Societe General Instruments DE Physique, Switzerland who are the world leaders in manufacturing this type of machine. It is an acquisition of current state of the art technology in mechanics and electronics. The machine is capable of providing positional accuracies of better than 0.004 mm in the entire travel of x and y axes

(900mm × 600 mm). On this machine, various operations can be performed, eg. surface and slot milling, drilling, boring, grilling, spot facing, tapping etc. Two rotary tables giving an angle setting accuracy within ± 1 sec have also been procured. Some special purpose machines are expected to be added for fabrication of optical components and precision parts for High Power Lasers & Accelerator Programmes.

—A. S. Rajarao

Important Meetings, Seminars and Lectures at CAT

1. With a view to assess the basic design of INDUS-1, an SRS Design Verification Committee was constituted by Director, CAT which consisted of Dr. R. Chidambaram, Director Physics Group BARC; Dr. S.S. Kapoor, Associate Director-Physics Group, BARC; Dr. S.R. Gowarikar, Director-CSIO, Chandigarh; Prof. A.P. Patro, Director-NRL, New Delhi; Dr. D.C. Sahni, SO/SG, BARC and Dr. R.K. Bhandari, SO/SF, VECC, Calcutta. The Committee met at CAT on 2nd and 3rd March, 1988. Scientists of Accelerator

Group presented the salient features of INDUS-1 to the Committee.

2. A seminar to review the SRS Magnet fabrication and field measurement system was held at CAT on 10th May, 1988. Experts invited in this review committee were the following: S/Shri G.S. Krishnamurthi, So/SG, CWS, BARC; S.B. Bhoje, SO/SG, IGCAR, Kalpakkam; Anil Khakodkar, Head, RED, BARC; B.B. Bhattacharya, SO/SF, VECC, Calcutta; S.S. Ramamurthi, SO/SG, CAT and A.S. Raja Rao, SO/SG, CAT.

3. Prof R. Ambertzumian, Head Laboratory for Lasers in Medicine, P.N. Lebedev Institute, Moscow gave two lectures on "Lasers in Cardiosurgery" and "Primary Photochemistry in Laser Therapy" at CAT on 29th November, 1987 and 1st December, 1987.

4. Dr. V. B. Asgekar, from Poona University gave a talk on "Free electron lasers" at CAT on 29th April, 1988.

Jig Boring Machine. ▷

CAT Workshop—A view. ▽



Dr. D.D. Bhawalkar, Director, CAT explaining the micro processor controlled tunable dye laser to Dr. M.R. Srinivasan during his visit on 16th April, 1987.

Shri S.S. Ramamurthi, Project Manager (Accl.) explaining the Synchrotron model to Dr. M.R. Srinivasan.



VISITORS TO CAT



Noted Ornithologist Dr. Salim Ali paid a visit to CAT in Sept. 84. Here he is seen having a glimpse of CAT surroundings with Shri B.K. Banerji, Member—Secretary P&IC, CAT, to his left and Shri J.J. Dutta, Principal, Chief Conservator of Forest, Govt. of M.P. to the right.

Famous Marathi writer Shri P.L. Deshpande visited CAT in February 88. Seen with him here are (L to R)—Smt. Deshpande, Shri Baba Dike, Shri A.E. Nivaskar, Shri Rahul Barpute, Shri Vishnu Chinchalkar, Dr. D.D. Bhawalkar (partly seen) & Shri A.S. Raja Rao (side view).