

24. "Glass technology in vacuum sealed off electron devices", L M Rangrajan, X National seminar of ISSG on science and technology of glass, BARC Bombay, Nov 15-17, 1995.
25. "Design aspects of vacuum system of AIGO-500", A S Rajarao, invited talk, Workshop on gravitational waves IUCCA, Poona, Dec 9-11, 1995.
26. "On the relative intensities of far infrared transitions in the torsional ground state of methanol-D₁", I Mukhopadhyay and P K Gupta, Proc. 20th Intl. conference on Infrared and Millimeter Waves, Ed.R J Temkin, Lake Buena Vista, Orlando, Florida, USA, Dec 11-15, 1995.
27. "High Resolution fourier transform far infrared spectroscopy of methanol-OD in the torsional ground state", I Mukhopadhyay, P K Gupta, G Moruzzi, B P Winnewisser and M Winnewisser, ibid.
28. "Magneto-transport and magnetization studies in BSCCO -2212 crystals", A K Pradhan, invited talk, DAE Solid State Phys. Symp. Calcutta, Dec 27-31, 1995.
29. "Critical state in Josephson junction array", Mahesh Chandran and P Chaddah, ibid.
30. "Effect of ambient on thermal properties of CuO", Shailendra Kumar, P Shah, A Gupta and D K Avasthi, ibid.

OTHER ACTIVITIES / NEWS

केन्द्र में 'हिन्दी - मास'

गतवर्ष की भाँति इस वर्ष भी केन्द्र में 'हिन्दी मास' के उपलक्ष्य में विभिन्न प्रतियोगिताओं का आयोजन किया गया तथा 'हिन्दी दिवस' मनाया गया। इस क्रम में विशेष रूप से 11 सितम्बर, 1995 को 'भारत रत्न' आचार्य विनोबा भावे का 100 वाँ जन्म-दिवस समारोह आयोजित किया गया। समारोह में आचार्य भावे के अंतिम दिनों में उनके सानिध्य में रहे सर्वोदयी सहयोगी और लेखक श्री महेश दुबे और निमाड क्षेत्र के स्वतंत्रता सेनानी श्री श्रीराम आगार ने मुख्य-अतिथी के रूप में भाग लिया। अपने सम्बोधन में अतिथी-वक्ताओं ने विनोबा के जीवन-दर्शन में, वैज्ञानिकता और दृढ़ता का उल्लेख करते हुए वर्तमान संदर्भों में आचार्य के विचारों की प्रासंगिकता को रेखांकित किया।

समारोह की अध्यक्षता केन्द्र के वरिष्ठ वैज्ञानिक श्री ए.एस. राजाराव ने की। इस अवसर पर राभकास के अध्यक्ष डॉ. पी.के. गुप्ता ने अतिथियों का स्वागत किया। समारोह में कार्यक्रम का संचालन व विषय प्रवर्तन सहायक निदेशक (राजभाषा) सुनिल सरवाही ने तथा प्रशासनिक अधिकारी श्री रा.कृ. सैनी ने अतिथियों के प्रति आभार व्यक्त किया। समारोह में बड़ी संख्या में अधिकारी व कर्मचारी उपस्थित थे।

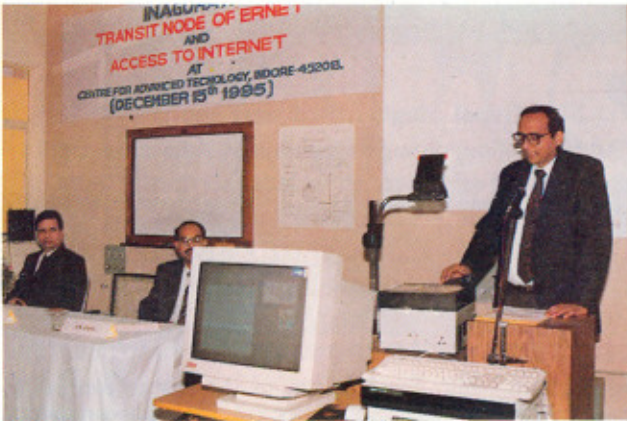
14 सितम्बर को 'हिन्दी दिवस' के अवसर पर केन्द्रीय गृहमंत्री श्री एस.वी. चव्हाण से प्राप्त संदेश तथा केन्द्र के निदेशक डॉ. दि.वे. भवालकर की अपील का व्यापक परिचालन किया गया।

राजभाषा प्रचार समिति, वर्धा से प्राप्त 'जेवी ध्वज' (फ्लेग) का इस दिन कर्मचारियों में वितरण किया गया जिस पर समिति का उद्घोष वाक्य 'एक हृदय हो भारत जननी' अंकित था।

'हिन्दी - मास' के दौरान ही केन्द्र में 21 सितम्बर, 1995 को एक कवि-गोष्ठी का आयोजन हुआ जिसमें केन्द्र व नगर के युवा कवियों ने भाग लिया। कवि-गोष्ठी की अध्यक्षता डॉ. आर.वी. नाडेकर, वैज्ञानिक अधिकारी ने की। हिन्दी-संर्वधन कार्यक्रम के अंतर्गत इस वर्ष विभिन्न प्रतियोगिताओं में 30 पुरस्कार और प्रमाण-पत्र दिये गये। 'हिन्दी मास' के दौरान ही एक दो-दिवसीय कार्यशाला का आयोजन किया गया जिसमें 20 लोगों को प्रशिक्षित किया गया।



कवि सम्मेलन का एक दृश्य



Dr D D Bhawalkar, Director, CAT addressing the gathering on occasion of the inauguration of ERNET transit node at CAT and access to INTERNET. Also seen in the photograph are Dr S P Nawathe, Additional Director, ERNET (extreme left) and Shri A K Gupta of Computer Centre, CAT.



Shri I S Gajra, President, Gajra Gears Pvt Ltd, Dewas addressing the gathering at the annual function of CAT Staff Club (CSC). On the dias are (L to R) Shri M Edlabadkar, Treasurer CSC, Dr D D Bhawalkar, Director, CAT and Shri A S Raja Rao, President CSC.

Education and Research Network (ERNET) inaugurated

ERNET transit node at CAT and access to Internet at CAT was inaugurated on December 15, 1996 by Dr D D Bhawalkar, Director, CAT. Dr S P Navathe, Additional Director, Education and Research Network (ERNET), Department of Electronics was present on the occasion. He delivered a talk on the ERNET activities.

Now Internet services will be available to education and research organization in and around Indore through a VSAT link installed at CAT.

CAT home page will be released soon. Its address is <http://www.cat.ernet.in> and IP address of CAT internet server is 202.41.111.66, the CAT internet server has been named as 'cat' and is accessible on Internet using WWW telnet etc.

Meritorious award for construction of Indus-1 building

Indus-1 building was given meritorious award from American Concrete Institute, Maharashtra Chapter, Bombay, for excellence. This building has several important features like folded plate roof spanning 20 meters at 12.5 meters height, thick shielding walls using chilled concrete, removable thick slabs of concrete over plate girders, embedments at level measurable to an accuracy of 2 mm etc. Shri V K Kulkarni, Chief Engineer, CAT received the award from Shri Prabodh Navalkar, Minister for Transport and Communication, Maharashtra State on behalf of the civil construction team involved in construction of Indus-1 building from CAT.



Shri V K Kulkarni, Chief Engineer CAT receiving meritorious award from Shri Prabodh Navalkar, Minister for Transport and Communication, Maharashtra State on behalf of civil construction team involved in the construction of Indus-1 building from CAT.

Personnel News

Shri S S Ramamurthi, Project Manager (Accelerator) retired on superannuation on Sept 29, 1995. He joined BARC, Bombay in 1961 and has since been engaged in the indigenous development of a wide variety of vacuum components and related equipments. In 1969 he was appointed as a Project Officer at Variable Energy Cyclotron project. After the completion of this project in 1983, he was appointed as the Head of the then Technical Physics Division in BARC. He joined CAT as Project Manager (Accel.) in 1986 and took up the responsibility of the design and development of synchrotron radiation source and was involved in the development of



Shri S S Ramamurthi addressing the gathering, at the farewell function organised at CAT.

expertise in many areas like magnets, power supplies, ultra high vacuum, control systems, RF cavity etc. During his tenure at CAT microtrons were developed and work on other accelerators such as DC accelerators, proton linacs, medical cyclotrons etc. was also initiated. Under his leadership, recently synchrotron radiation was observed on acceleration of the electron beam in the booster synchrotron. This is considered as a major break through in commissioning of the

Indus-1 synchrotron radiation facility at CAT (details are given elsewhere in this newsletter). We wish him a very happy life after retirement.

Shri Gopal Singh retired from the post of Director (Administration) on superannuation on August 31, 1995. His distinguished service career includes services initially in the state of Rajasthan and later in the projects and plants in Department of Atomic Energy viz. Rajasthan Atomic Power Project, Heavy Water Plant (Kota) and Nuclear Fuel Complex, Hyderabad. He served CAT since May 1990, initially as Chief Administrative and Accounts Officer and later as Director (Admin.). Shri Singh is one of the few officers in the administrative cadre, who rose to the position of Director (Admin.) through promotions. Shri Singh was always helpful and concerned while dealing with personal matters of the employees. We wish him a very happy life after retirement.

Snippets

- Dr K S Bartwal has been elected a member of the New York Academy of Sciences, New York, USA.
- E N T surgeons using CO₂ surgical laser developed at CAT have rated it as very useful, exceptionally good and of low cost.

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