

ZONALLY AVERAGED PRESENTATION OF THE HARMONIC COMPONENTS

A graphical presentation of the monthly progression of the amplitudes and phases of the four harmonic components of the atmospheric tidal pressure oscillation over India averaged for stations in five degree zonal belts (05° – 10°), . . . (30° – 35°) N is given in figures 6(a), (b) and 7(a), (b). The curves A, B, . . . F in these diagrams refer to the six zonal belts. The broken curve G represents the average for all the 62 stations. The maximum/minimum values of the amplitudes and phases are indicated on the respective curves which summarise the major features discussed in the preceding sections.

ACKNOWLEDGEMENTS

One of us (RA) is grateful to the Indian Space Research Organisation (ISRO) for a research grant.

20 June 1984

1. Blanford, H. F., *Indian Met. Mem.*, 1876–1895, Vols. 1, 5, 9.
2. Eliot, J., *Indian Met. Mem.*, 1895–1899, Vols. 5, 9, 10.
3. Simpson, G. C., *Q. J. R. Met. Soc.*, 1918, 44, 1.
4. Alvi, S. M. A. and Jagannathan, P., *Indian Met. Mem.*, 1972, 32, Part I.
5. Haurwitz, B. and Cowley, A. D., *Pure Appl. Geophys.*, 1973, 102, 193.

NEWS

VEB Carl Zeiss JENA

CURRENT SCIENCE wishes to greet JENA^{er} GLAS during its centenary year 1984.

Leipzig, the famous metropolis of international trade, once again demonstrated the world's progress in science and technology and thus indicates possibilities for dynamic economic growth. The display of products of VEB Carl Zeiss JENA in Leipzig is an example of continuous advancement even under the untoward conditions of the world's economic situation. More than 75% of the products range has been replaced by new products in the last five years, which is in keeping with the present pace of world-wide innovation. The 1984 exhibits include more than 30 new or improved items. Highly efficient microelectronic systems have further increased the speed of instrument processes and added to new optical and mechanical solutions, upgraded the quality, precision and performance capabilities of the products on display.

Following are some of the products of Kombinat VEB Carl Zeiss JENA at Spring 1984 Leipzig Fair:

(1) DZT 90 × 120 RGS Computer-Assisted Stereoplotting System, (2) ABBE 01-200 C Vertical Metroscope, (3) AE-80 Digital Meter Unit, (4) IKF-

100 Incremental Displacement Pickup, (5) IDL-01 Length Measuring System with AE-100 Meter Unit, (6) IGR-M2 Incremental Rotary Pulse Transmitter with analogue output, (7) Computer Input Adapter for Incremental Displacement Pickups, (8) 3D Telemetric Probe, (9) MS-4 Size Control Device /SG-112 Controller, (10) Laser Coagulator, (11) OAP-310/M Eye Examination Setup, (12) SPECORD-M80 and SPECORD-M85, (13) SPEKOL-11 Spectrophotometer, (14) Mercury Hydride Generation System for the AAS-3 Atomic Absorption Spectrophotometer, (15) TZ-6 Texture Attachment to the HZG-4 Universal X-ray Diffractometer, (16) JENAVERT Incident Light Microscopes, (17) GSM Stereomicroscope (18) 1m Reflector Telescope, (19) COSMORAMA Large-Size Planetarium (20) Improved 50 mm f/1.4 PRAKTICAR-MC Lens (21) SF-11/1535 Optical Glass, (22) Component blanks for multifocal ophthalmic lenses (23) Distilling Plant for Corrosive Substances.

Further details may be had from: Dr. H. C. Wolfgang Biermann, Director General, Kombinat VEB Carl Zeiss JENA-DDR, DDR -6900 Jena, Carl-Zeiss-Strasse 1.