しても大いに刺激されているところである.

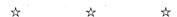
木曽では、105cm シュミット望遠鏡が本観測を開始 してから6年経過したが、望遠鏡や測定機の整備を含め て多くの仕事がなされてきている. 今後は新しい計算機 の導入を一つの契機として,銀河の表面測光の処理を初 め、KIDS などの処理プログラムの一層の充実を計って いきたい. これからの観測天文学においては, このよう なデータ処理システムのウエイトが増々大きくなってい くであろう.

木曽観測所の状況について

1984年9月14日,8時49分の長野県西部地震(M6.9) は震源が北 10km で、震度 5 (体感推定値) という木曽 観測所としてはまれに見る大きなものでした.被害の詳 細は調査中ですが,暖房用ボイラーの給水本管切断,灯 油タンクの注入口切断, 汲出口切断, 本館の壁・床など に多数のき裂, 夜天光室の屋根の崩壊, 道路の路面にき 裂, ガード・レールのかんぼつ等に気付きました.シュ ミット望遠鏡の作動は現在テスト中で, 設置の高度と方 位角は、いずれにしても調整を要します. 現像装置等の 暗室関係,各種の測定機(マイクロ,アイリス,ブリン ク,アイソ),夜天光観測機器等の一部も修理・調整を 要します. なんといっても不幸中の幸いは, この数年間 に撮影された 4000 枚以上の写真原板が無事だったこと です、保管庫の棚の耐震処置の効果があったわけです。

皆様にはいろいろお見舞いの声をかけていただき,大 変心強くありがとうございました。 今後復旧のために努 力致しますので御指導, 御協力おねがい致します.

> 木曽観測所 石田蕙一 1984-09-18





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SOLAR MAGNETOHYDRODYNAMICS

revised reprin

E.R. PRIEST St. Andrews Univ.

GEOPHYSICS AND ASTROPHYSICS MONOGRAPHS 21

496 pp.

ISBN 90-277-1374-x ISBN 90-277-1833-4

496 pp. Cloth \$25,850 ISBN Paper \$9,900 ISBN 1984, D. Reidel Publishing Company

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The book should be eminently suitable for a course in solar physics. Also it provides a comprehensive review of present magnetohydrodynamical models in solar physics, which will be quite useful for workers in the field. Finally, the book is strongly recommended to the rapidly growing number of astrophysicists studying magnetically active stars. Science.

"belongs on the desk of every astrophysicist interested in active objects, whether stars or galaxies. It should go without saying that the book is also an excellent text for a graduate on magnetohydrodynamics." Nature.

lent text for a graduate on magnetonymosphalante.

Prof. Priest has succeeded in writing a lucid and thorough introductory in the fascinating field of Solar Magnetohydrodynamics that is of great value to students and researchers in the field, it is easily accessible to researchers in peripheral astrophysical disciplines such as stellar atmospheres and extragalactic physics. This monograph can be recommended as the textbook in this field. Space Science Reviews.

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FUNDAMENTAL THEORIES OF PHYSICS 9

536 pp.: Cloth: ¥19,800: ISBN 1984, D. Reidel Publishing Company ISBN 90-277-1818-9

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THE BIG BANG AND GEORGES LEMAITRE

Proceedings of a Symposium in honour of G. Lemaitre fifty years after his initiation of Big-Bang Cosmology, 10–13 October 1983, Louvain-la-Neuve, Belgium

A. BERGER

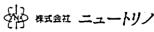
Institute 'Astronomie et de Géophisique Georges Lemeître Université Catholique de Louvain; Belgique

440 pp. Cloth ¥16.500 ISBN 90-277-1848-2 1984, D. Reidel Publishing Company

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This volume contains the edited Proceedings of a Symposium held in Belgium in 1983 to honour G. Lemaltre 50 years after initiation of Big-Bang Cosmology, Georges Lemaltre was born in Charleroi in July 1884 and, between 1927 and 1933 published three works which conditioned later study on the expansion of the Universe and the pneval atom. Lemaitre's work in celestial mechanics was mainly concerned with the Three Body problem and he managed to regularise equations in the case of binary encounters by a transformation of coordinates keeping the Hamiltonian formalism. Moreover, he applied improved celestial mechanics methods to mechanical problems, in particular for the motion of charged particles in the field of a magnetic dipole in connection with the geophysical study of cosmic radiation. About 100 scientists from 14 countries have contributed to his book which recalls all the importance of Lemaitre's work in the development of actual astronomy and geophysics.

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