

This volume contains a series of lectures presented at the 4th Course of the International School of Astrophysics, held in Erice (Sicily) from July 9 - July 20, 1977 at the E. Majorana Centre for Scientific Culture. The course was fully supported by a grant from the NATO Advanced Study Institute Programme. It was attended by 82 participants from 15 countries. Even though the infrared portion of the electromagnetic spectrum covers an extensive interval from the red region of the optical spectrum (10,000 Å) to the microwave radio region (1 mm), its role in astronomy has been minimal until the last two decades. Until very recently, the only objects observed were the sun, the moon and the planets. A primary reason for this late development was the lack of sensitive detectors and the necessary cryogenic technology that must accompany their use. Recent progress in this technology has been paralleled by an ever increasing interest of astronomers in infrared observations, leading to a number of extremely important results in different branches of astronomy. This becomes evident when one realizes that in many astrophysical conditions most of the energy is found to be channeled into the infrared portion of the electromagnetic spectrum. Stars were detected that yield most of their radiation in the infrared; these objects present a new view of stellar evolution, both in the birth and death stages.

Floridas American Indians through History (Primary Source Readers), Hit The Road India, New Models for Communication Research (SAGE Series in Communication Research), A Beginners Guide to Learning Hiragana in Japanese: The Japanese Alphabet, Tiny Whittling: More Than 20 Projects to Make, Urology: Changes and Trends (Audio-Digest Foundation Urology Continuing Medical Education (CME). Volume 36, Issue 06), The Heat Of The Day (Vintage Classics), Approaches to the History of the Western Family 1500-1914 (New Studies in Economic and Social History), The Evolution of Death: Why We Are Living Longer (Sunny Series in Philosophy and Biology),

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