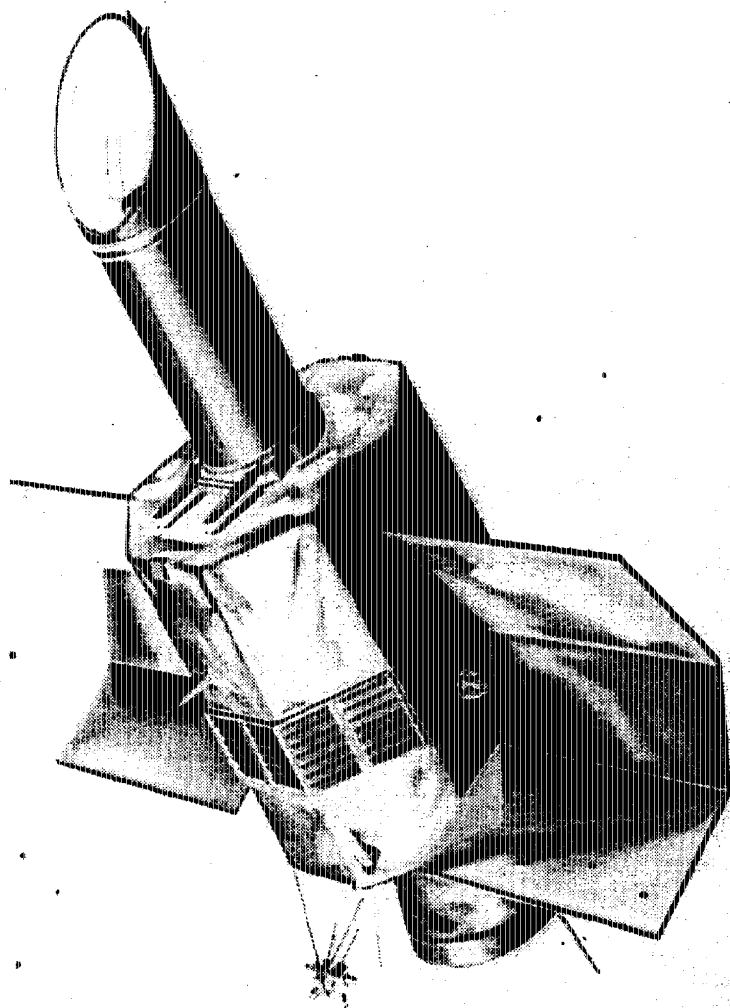
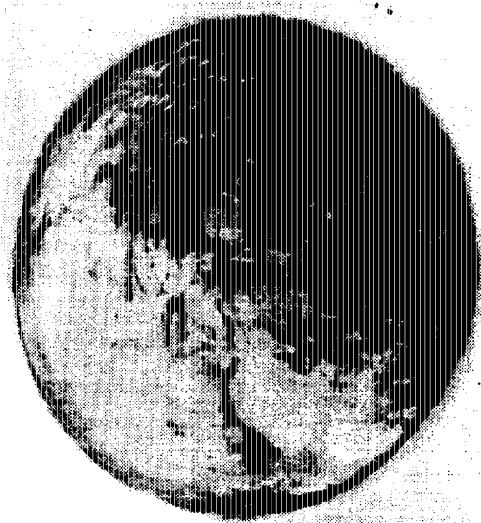

International Ultraviolet Explorer (IUE)

NASA NEWSLETTER

19



Goddard Space Flight Center
Greenbelt, Maryland
20771

NASA NEWSLETTER FOR
INTERNATIONAL ULTRAVIOLET EXPLORER (IUE)

No. 19

Dear Colleague:

It is a pleasure to send you IUE NASA Newsletter #19. This issue contains, in microfiche form and attached to the inside rear cover, the four-year cumulative merged log of IUE observations for the period ending March 31, 1982. Excepting solar system targets arranged at the end, the log is ordered by right ascension for all observations whether obtained at Goddard or VILSPA. This Newsletter also updates the procedures for obtaining IUE data from the National Space Science Data Center, publishes an IUE target bibliography citing references to IUE data which have been published in the scientific literature, and contains several other contributions of interest to the IUE user community. Your attention is especially called to an important announcement on page 2 of this issue.

Included in the pocket containing the microfiche edition of the IUE merged log is an IUE Newsletter recipient response card. Those of us with the IUE Project ask you to help us update our address list and/or modify our mailing to you. The Newsletter now goes to more than 600 individuals and institutions. Your reply will help us to better serve you and effectively manage our resources. Recipients with a new address but no other desired change should use the bottom half of the card and write "continuing" in the margin. Changes to the current mailing list will be made in response to cards received only.

Since publication of Newsletter No. 18, Dr. Yoji Kondo has relinquished to me his editorial responsibilities for the IUE NASA Newsletters--responsibilities he had held since the Newsletter's inception in September 1978. All of us with the IUE Project appreciate the contributions he made during his editorship. In his stead we will continue to try to produce a product of value to its readers. As always, relevant contributions from readers will be welcome. These should be submitted in typewritten form consistent with the format of this newsletter.

Once again, Ms. Mona Cooper and Dr. Peter Perry provided essential support to the preparation of this issue.

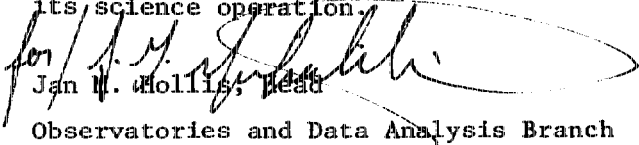
Sincerely,



J. Keith Kalinowski
Code 685

ANNOUNCEMENT

Dr. J. Keith Kalinowski has been appointed to the newly created position of IUE Operations Scientist with responsibilities formerly held by the departing IUE Observatory Director, Dr. Donald K. West. Dr. West is presently involved with the science operations aspects of several future NASA missions such as Space Platform. Dr. Kalinowski is responsible for the continued success and productivity of the IUE Observatory regarding its science operation.


for Jan W. Hollis, Head

Observatories and Data Analysis Branch
Laboratory for Astronomy and Solar Physics
NASA Goddard Space Flight Center

CONTENTS

<u>Title and Contributor</u>	<u>Pages</u>
Announcement of Personnel Change by J.M. Hollis	1
Sixth Year IUE Guest Observer Proposal Instructions by J.K. Kalinowski	2
IUE News Notes by C.L. Imhoff	3 - 5
User Guidelines for Adding Targets by Y. Kondo and A.V. Holm	6 - 15
IUE Observatory Schedule by C.L. Imhoff	16 - 25
The Four Year IUE Merged Log of Observations by G. Sonneborn	26
National Space Science Data Center (NSSDC)/World Data Center A (WDC-A) Data Request Procedures and Forms by W.H. Warren, Jr.	27 - 29
The IUE Users' Committee by J.K. Kalinowski	30
NASA IUE Preprints (Received since Newsletter #18) by J.K. Kalinowski	31
Announcing IUE T-shirts by R.E. Bradley	32
Quick Look Sensitivity Monitoring by F.H. Schiffer, III	33 - 36
IUE Camera Sensitivities and the Echelle Ripple Correction by T.B. Ake	37 - 47
Photometric Calibration of the IUE by R.C. Bohlin and B.T. Coulter	48 - 53
Daily IUE Peak Radiation Levels by S.O. Walter and C.L. Imhoff	54 - 55
Reprints of IUE ESA Newsletter Reports by A.V. Holm	56
VILSPA Workshop on UV Stellar Classification by A. Heck	57
A Study of the Reduction of Noise in IUE Spectra Obtained by Adding Extracted Spectra by K. West and T. Shuttleworth	58 - 66
Ly- α Removal in Low Dispersion SWP Spectra by J.D. Ponz and M.V. Penston	67 - 68
Bibliographical Index of Objects Observed by IUE 1978-81 by J.M. Mead and A. Boggess	69 - 104
G.O. Proposals Approved by ESA-SERC (for the Fifth Year of Operations) by W. Wamsteker	105 - 118
Erratum: "Recommended Dimensions for Calibration of Trailed Spectra and Spectra of Extended Objects" by R. Panek	119 - 121
Four Year Merged Log of IUE Observations	Inside Back Cover
IUE NASA Newsletter Recipient Response Card	Inside Back Cover