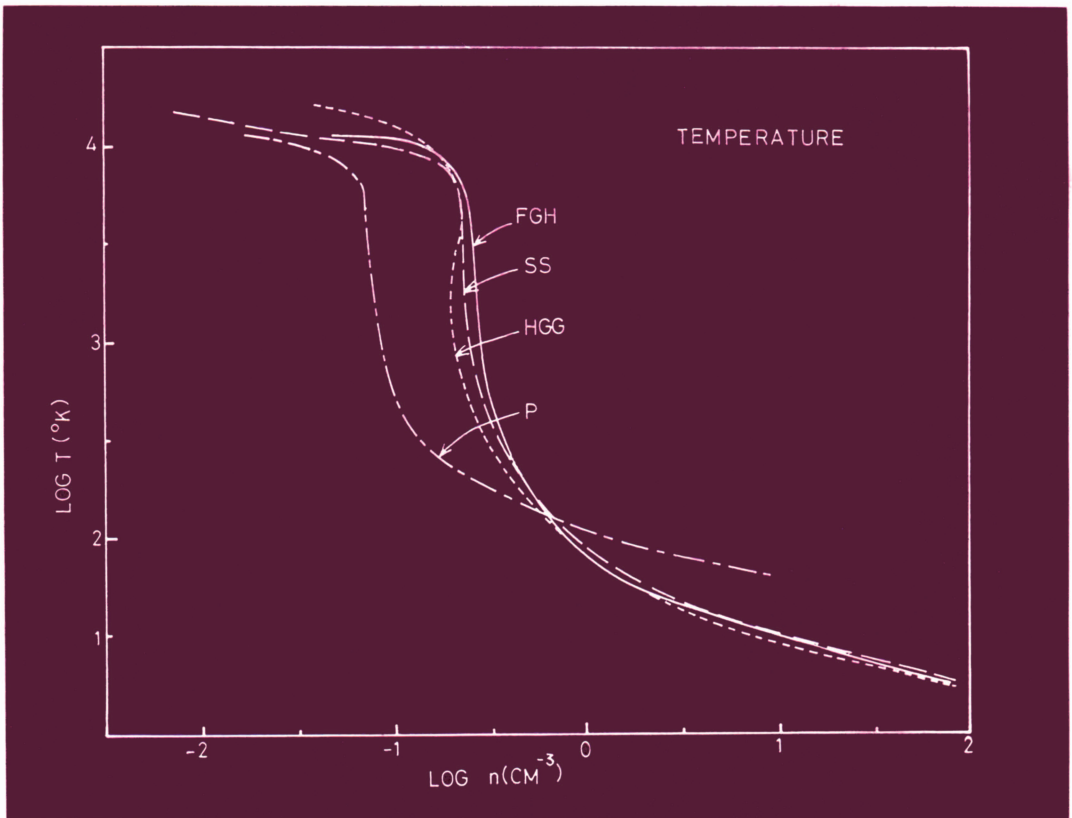


INTERNATIONAL ASTRONOMICAL UNION

SYMPOSIUM No. 39

# INTERSTELLAR GAS DYNAMICS

Edited by H. J. HABING



INTERNATIONAL ASTRONOMICAL UNION

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# INTERSTELLAR GAS DYNAMICS

SYMPOSIUM No. 39

The main purpose of the conference was to bring together aerodynamicists and astrophysicists for discussions on the physics of interstellar gases. Consequently a large part of the text is taken by the discussions.

The book is divided in two parts, which actually are linked in various ways: (I) Description and General Theory of the Interstellar Medium. (II) Interaction of Stars and Interstellar Medium.

In Part I there are reviews on the present status of theory and observations of the interstellar gas, interstellar plasma physics, the interstellar magnetic field and gas flow around stars and galaxies (authors: H. C. van de Hulst, H. F. Weaver, G. B. Field, B. B. Kadomtsev, V. N. Tsytovich, G. L. Verschuur, E. N. Parker, E. A. Spiegel).

In Part II reviews are found on overall mass exchange between stars and the interstellar medium, on the role of supernovae, mass loss from stars (solar wind, novae, planetary nebulae, OB stars), on grains, on molecules, and on protostars (authors: E. E. Salpeter, L. Woltjer, R. Lüst, S. R. Pottasch, A. A. Boyarchuk, J. M. Greenberg, T. P. Stecher, P. G. Mezger).

D. REIDEL PUBLISHING COMPANY  
DORDRECHT-HOLLAND

# INTERSTELLAR GAS DYNAMICS

INTERNATIONAL ASTRONOMICAL UNION  
UNION ASTRONOMIQUE INTERNATIONALE

SYMPOSIUM No. 39

PROCEEDINGS OF THE SIXTH SYMPOSIUM  
ON COSMICAL GAS DYNAMICS ORGANIZED JOINTLY BY THE  
INTERNATIONAL ASTRONOMICAL UNION AND THE  
INTERNATIONAL UNION OF THEORETICAL AND APPLIED MECHANICS  
YALTA, THE CRIMEA, U.S.S.R., 8-18 SEPTEMBER 1969

INTERSTELLAR GAS  
DYNAMICS

EDITED BY

H. J. HABING

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Sterrenkundig Laboratorium Kapteyn, Groningen, The Netherlands*



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1970

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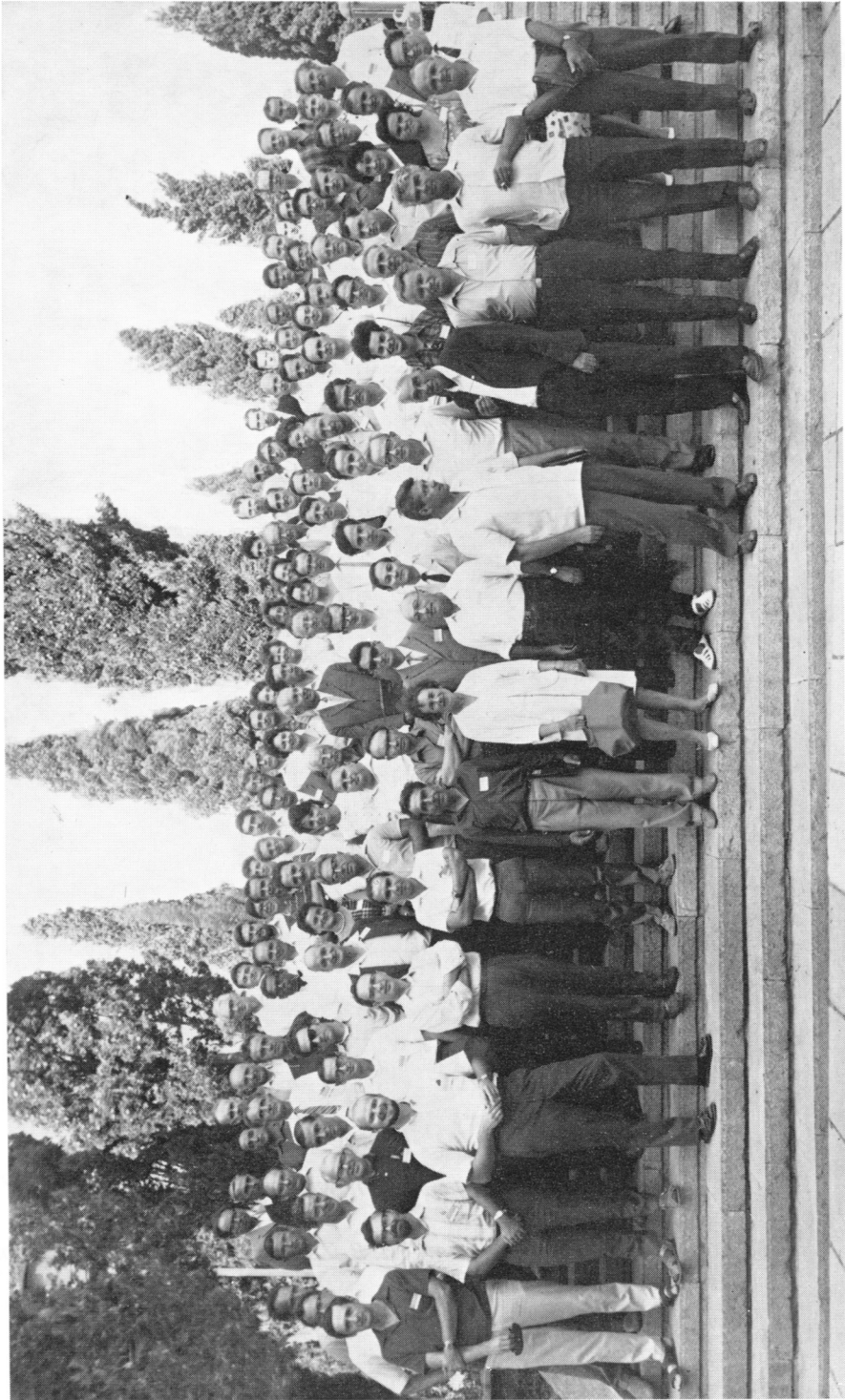
*Dedicated to*

JAN HENDRIK OORT

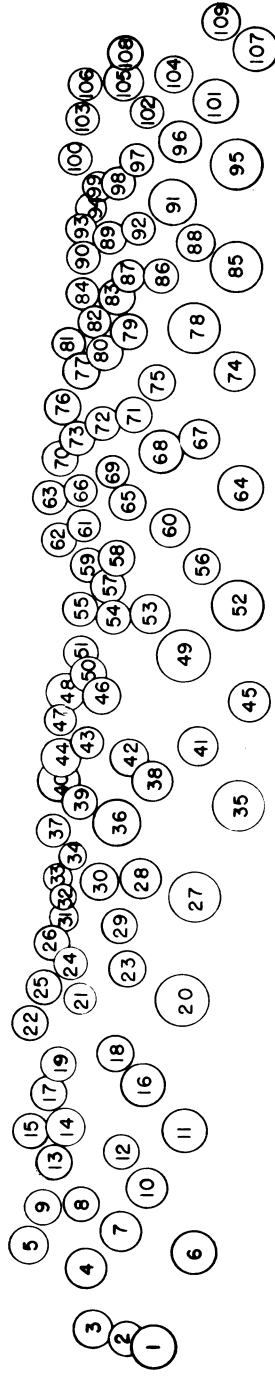
*on the occasion of his seventieth birthday  
in grateful appreciation for his work with J. M. Burgers  
in starting and maintaining this series of symposia*

*let me ask you,  
from where came our universe?*

*Ya. B. Zel'dovich (during the discussions)*







- |                    |                    |                  |                     |
|--------------------|--------------------|------------------|---------------------|
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