

username

LOGIN

[New Account »](#)
[Forgot Password?](#)

HAARP



[Advanced Search »](#)

Ads by **Google**

HF Coupler

Buy Honeywell & Thales Avionics
Contact Craig
Now! (847) 847-3610
InventoryNavigators.com

Propagation

Search multiple engines at once for propagation
webcrawler.com/propaga

Studies For Communication

Find The Right Grad Program To Fit Your Needs.
Start Searching w/ Us!
www.GradSchools.com

ComStudy

Radio Propagation Analysis Software
Industry Leader
www.radiosoft.com



[Oceanography and Atmospheric Sci.](#) ▾ [Atmospheric Physics](#)

Characterization of Propagation and Communication Properties of the Natural and Artificially Disturbed Ionosphere

Authors: [Bobo W. Reinisch](#); [Gary S. Sales](#); [Ronald Brent](#); [Jens Ostergaard](#); [Yuming Huang](#); [MASSACHUSETTS UNIV LOWELL CENTER FOR ATMOSPHERIC RESEARCH](#)

Abstract: This basic research project, conducted during the period starting 12 September 1990 and ending 12 December 1994, studied the effects of natural and artificial ionospheric disturbances on HF and VHF propagation and communication. This project was reasonably divided into two parts where each stood by itself; VHF meteor scatter investigation and HF ionospheric modification studies. In addition to these two studies, a third study was later added to the project to include a Joint Electromagnetic Warfare Center (JEWIC) electromagnetic wave propagation and signal loss study. Each of these studies are addressed independently within this final report.

Adobe PDF - \$19.95

Printed Format - \$20.95

ADD TO CART

Please check the box for the format you wish to order.

Limitations: APPROVED FOR PUBLIC RELEASE

Description: Final rept. Sep 90-Dec 94

Pages: 28

Report Date: MAY 95

Contract Number: F19628-90-K-0039

Report Number: A364892



Keywords relating to this report:

- [ELECTROMAGNETIC WAVE PROPAGATION](#)
- [ELECTRONIC WARFARE](#)
- [HIGH FREQUENCY](#)
- [IONOSPHERIC DISTURBANCES](#)
- [IONOSPHERIC MODIFICATION](#)
- [IONOSPHERIC PROPAGATION](#)
- [LOSSES](#)
- [METEOR BURST COMMUNICATIONS](#)
- [VERY HIGH FREQUENCY](#)

[Shipping Terms](#)
[About Electronic Delivery](#)

[Email This Abstract](#)