



[1990] [1991] [1992] [1993] [1994] [1995] [1996] [1997] [1998] [1999]

1999

[1998] [2000] [End]

1. Barr R., P. Stubbe M. T. Rietveld, ELF wave generation in the ionosphere using pulse modulated HF heating: initial tests of a technique for increasing ELF wave generation efficiency, *Ann. Geophysicae*, 17, [759-769](#), 1999.
2. Blagoveschenskaya, N. F., V.A. Kornienko, A. Brekke, M.T. Rietveld, M. Kosch, T.D. Borisova and M.V. Krylov, Phenomena observed by HF Long-distance diagnostic tools in the HF modified auroral ionosphere during magnetospheric substorm, *Radio Sci.*, 34, 3, [715-724](#), 1999.
3. B. U. E. Brändström, T. B. Leyser, Å. Steen, M. T. Rietveld, B. Gustavsson, T. Aso and M. Ejiri, Unambiguous evidence of HF pump-enhanced airglow at auroral latitudes, *Geophys. Res. Lett.*, 26, 23, [3561-3564](#), 1999.
4. U. Brändström, T. Leyser, Å. Steen, M. T. Rietveld, B. Gustavsson, T. Aso and M. Ejiri, ALIS observations of heater induced airglow at high latitudes, *Proceedings 14th ESA Symposium on European Rocket and Balloon Programmes and Related Research*, ESA SP-437, 389, 1999.
5. Honary, F., T. R. Robinson, D. M. Wright, A.J. Stocker and M. T. Rietveld, First direct observations of the reduced striations at pump frequencies close to the electron gyroharmonics, *Annales Geophysicae*, 17, 9, [1235-1238](#), 1999.
6. Isham, B., T. Hagfors, E. Mishin, M. Rietveld, C. LaHoz, W. Kofman, T. Leyser, A search for the location of the HF excitation of enhanced ion acoustic and Langmuir waves with EISCAT and the Tromsø heater, *Radiophysics & Quantum electronics*, 42, 7, [607-618](#), 1999.
7. Isham, B., M. T. Rietveld, T. Hagfors, C. LaHoz, E. Mishin, W. Kofman, T. B. Leyser and A. P. van Eyken, Aspect angle dependence of HF enhanced incoherent backscatter, *Adv. Space. Res.*, 24/8, [1003-1006](#), 1999.
8. Isham, B., C. La Hoz, M. T. Rietveld, T. Hagfors, T. B. Leyser, Cavitating Langmuir turbulence observed during EISCAT high latitude ionospheric interaction experiments, *Physical Review Letters*, 83, [2576-2579](#), 1999.



9. D.M. Wright, T.K. Yeoman, High resolution bistatic HF radar observations of ULF waves in artificially generated backscatter, *Geophys. Res. Lett.*, 26, 18, [2825-2829](#), 1999.
10. D.M. Wright, T.K. Yeoman, CUTLASS observations of a high-m ULF wave and its consequences for the DOPE HF Doppler sounder, *Annales Geophysicae*, 17, 11, [1493-1497](#), 1999.

1998

[\[Top \]](#) [\[1997 \]](#) [\[1999 \]](#) [\[End \]](#)

1. Barr R., The generation of ELF and VLF radio waves in the ionosphere using powerful HF transmitters, *Adv. Space Res.*, 21, 5, [677-688](#), 1998.
2. Barr R., P. Stubbe, M. T. Rietveld and E. Nielsen, Enhanced ELF wave generation efficiency using 'O' mode HF heating in the ionosphere: An instrumental Explanation, *Geophys. Res. Lett.*, 25, 18, [3489-3492](#), 1998.
3. Blagoveschenskaya, N. F., V. A. Kornienko, M. T. Rietveld, B. Thide, A. Brekke, I. V. Moskvina, S. Nozdrachev, Stimulated emissions around second harmonic of Tromsø heater frequency observed by long-distance diagnostic HF tools, *Geophys. Res. Lett.*, 25, 6, [873-876](#), 1998.
4. Blagoveschenskaya, N. F., V. A. Kornienko, A. V. Petlenko, A. Brekke, and M. T. Rietveld, Geophysical phenomena during an ionospheric modification experiment at Tromsø, *Ann. Geophysicae*, 16, 10, [1212-1225](#), 1998.
5. Blagoveschenskaya, N. F., T. D. Borisova, V. A. Kornienko, R. Yu. Lukyanova, O. A. Troshichev, A. L. Kotikov, A. Brekke, and M. T. Rietveld, Geophysical phenomena excited by the Tromsø HF Heater action on the nightside auroral E-region, *Substorms-4*, pp. 673-6765, Ed. S. Kokubun and Y. Kamide, 1998.
6. Eglitis, P., T. R. Robinson M. T. Rietveld D. M. Wright G. E. Bond, The phase speed of artificial field-aligned irregularities observed by CUTLASS during HF modification of the auroral ionosphere, *J. Geophys. Res.*, 103, A2, [2253-2259](#), 1998.
7. Isham, B., C. La Hoz, T. Hagfors, M. T. Rietveld, Ten years of comparative incoherent scatter radar observations of HF-pump-induced Langmuir turbulence at Arecibo and EISCAT: 1986 to 1995, (manuscript), 1998.



8. Kero, Antti, Ionosfärens elektronilampotilan mallintaminen kuumennuskokeessa, Thesis (submitted), Oulu University, 1998.
9. *Kuo, S. P., E. Koretzky, M. C. Lee, Parametric excitation of lower hybrid waves by Z-mode waves near electron cyclotron harmonics at Tromsø, *J. Geophys. Res.*, 103, A10, 23373-23379, 1998.*
10. *Mjølhus, E., Theoretical model for long time stimulated electromagnetic emission generation in ionospheric radio modification experiments, *J. Geophys. Res.*, 103, A7, 14711-14729, 1998.
11. *Rietveld, M. T. and N. P. Goncharov, Artificial Periodic Irregularities from the Tromsø Heating facility, [Adv. Space Res.](#), 21, 5, 693-696, 1998.
12. Robinson, T. R., G. Bond, P. Eglitis, F. Honary and M. T. Rietveld, RF heating of a strong auroral electrojet, [Adv. Space Res.](#), 21, 5, 689-692, 1998.
13. Robinson, T. R., A. J. Stocker, G. E. Bond, P. Eglitis, D. Wright and T. B. Jones, M. T. Rietveld, First CUTLASS-EISCAT heating results, [Adv. Space Res.](#), 21, 5, 663-666, 1998.
14. Stocker A. J., An overview of experimental observations made at Tromsø during heating at frequencies near harmonics of the electron gyrofrequency, [Adv. Space Res.](#), 21, 5, 653-662, 1998.
15. Tereschenko, E. D., B. Z. Khudukon, M. T. Rietveld, A. Brekke, Spatial structure of auroral day-time ionospheric electron density irregularities generated by a powerful HF-wave, [Ann. Geophysicae](#), 16, 812-820, 1998.
16. Väänänen, O., An analysis of the actual modulation produced by the beam swinging method used at the EISCAT Tromsø ionospheric heater, report, Vasa High School, Finland, 1998.

1997

[\[Top \]](#) [\[1996 \]](#) [\[1998 \]](#) [\[End \]](#)

1. Barr, R., and P. Stubbe, ELF and VLF wave generation by HF heating: A comparison of AM and CW techniques, [J. Atmos. Terr. Phys.](#), 59/18, 2265-2279, 1997.
2. Barr, R., P. Stubbe, M. T. Rietveld and E. Nielsen, Enhanced ELF wave generation efficiency using 'O' mode HF heating, *Geophys Res. Lett.*, 24, 11, 1403-1406, 1997.



3. Basu, S., E. Costa, R. C. Livingston, K. M. Groves, H. C. Carlson, P. K. Chaturvedi and P. Stubbe, Evolution of subkilometer scale ionospheric irregularities generated by high-power HF waves, *J. Geophys. Res.*, 102, A4, 7469-7475, 1997.
4. * Belova, E. G., E. V. Pchelkina, W. B. Lyatsky, and A. B. Pashin, The effect of the ionosphere inhomogeneity on magnetic pulsation polarization, *J. Atmos. Terr. Phys.*, 59, 1425-1434, 1997*
5. * Beloliliva, E., E. Pchelkina, W. Lyatsky, and A. Pashin, The effect of an ionospheric conductivity on magnetic pulsation polarization. Magnetic disturbance on the ground as a function of inhomogeneity magnitude. *J. Atmos. Solar-Terr. Phys.*, 59, 1945-1952, 1997*
6. Bond, G. E., T. R. Robinson, P. Eglitis, D. M. Wright, A. J. Stocker, M. T. Rietveld and T. B. Jones, Spatial observations by the CUTLASS coherent scatter radar of ionospheric modification by high power radio waves, *Annales Geophysicae*, 15,11, 1412-1421, 1997.
7. Bond, Giles Edward., The Interaction of Radio Waves with the Auroral Ionosphere, Doctoral thesis, University of Leicester, 1997.
8. *Borisov, N., P Stubbe, Excitation of longitudinal (field-aligned) currents by modulated HF heating of the ionosphere, *J. Atmos. Terr. Phys*, 59, 15, 1973-1989.*
9. Böisinger, T., Extended Abstracts of the 5th European Heating Seminar, Sodankylä/Finland, Report No. 6 (1997), ISBN 951-42-4642-X, eds. T. Böisinger, E. Turunen and Leena Kalliopuska, 1997.
10. Costa, E., S. Basu, R. C. Livingston, and P. Stubbe, Multiple baseline measurements of ionospheric scintillation induced by high-power HF waves, *Radio Sci.*, 32, 1, 191-197, 1997.
11. *Kuo, S. P., M. C. Lee, and P. Kossey, Excitation of oscillating two stream instability by upper hybrid pump waves in ionospheric heating experiments at Tromso, *Geophys. Res. Lett.*, 24, 23, 2969-2972, 1997.*
12. * Mingaleva, G.I., and V.S. Mingalev, response of the convecting high-latitude F layer to a powerful HF wave, *Ann. Geophys.*, 15, 10, 1291-1300, 1997*
13. Mishin. E., T. Hagfors, W. Kofman, On the origin of outshifted plasma lines during HF modification experiments, *J. Geophys. Res.*, 102, A12, 27265-27269, 1997.
14. *Mjølhus, E., Parametric instabilities of trapped upper-hybrid oscillations, *J. Plasma Physics*, 58, 4, 747-769, 1997*
15. Oikarinen, A., J. Manninen, J. Kultima, and T. Turunen, Observations of intensity



- variations and harmonics of the heater induced VLF waves, [J. Atmos. Terr. Phys, 59/18, 2351-2360, 1997.](#)
16. Pashin, A. B., E. G. Belova and E. Turunen, EISCAT UHF radar measurements and numerical simulation of electron density variations induced by Heating of the D- and E- regions, [Pre-print](#), Kola Science Centre, Polar Geophysical Institute, Apatity, Russia, 1997.
 17. * Pashin, A.B., W.B. Lyatsky, On spectra of ionospheric conductivity variations during a heating experiment, [Radio Sci., 32, 4, 1513-1521, 1997.*](#)
 18. Robinson, T. R., A. J. Stocker, G.E. Bond, P. Eglitis, D. M. Wright, and T. B. Jones, O- and X-mode heating effects observed simultaneously with the CUTLASS and EISCAT radars and low power HF diagnostics at Tromsø, *Ann. Geophysicae*, 15, 1, 134-136, 1997.
 19. Sergienko, T., I. Kornilov, E. Belova, T. Turunen, and J. Manninen, Optical effects in the aurora caused by ionospheric HF heating, [J. Atmos. Terr. Phys., 59/18, 2401-2407, 1997.](#)
 20. Stocker, A. J, T. R. Robinson, T. B. Jones, and P. Stubbe, The effect of artificial modification in the E region on HF ray propagation, [J. Atmos. Terr. Phys., 59/18, 2435-2446, 1997.](#)
 21. Stubbe, P. and T. Hagfors, The Earth's ionosphere: a wall-less plasma laboratory, *Surveys in Geophysics*, 18, 1, 57-127, 1997.
 22. Yeoman, T. K., D. M. Wright T. R. Robinson J. A. Davies M. T. Rietveld, High spatial and temporal resolution observations of an impulse-driven field line resonance in radar backscatter artificially generated with the Tromsø heater, [Annales Geophysicae 15, 634-644, 1997.](#)

1996

[\[Top \]](#) [\[1995 \]](#) [\[1997 \]](#) [\[End \]](#)

1. Isham, B., C. La Hoz, H. Kohl, T. Hagfors, T. B. Leyser, and M. T. Rietveld, Recent EISCAT heating results using chirped ISR, [J. Atmos. Terr. Phys., 58, 1-4, 369-383, 1996.](#)
2. Kohl, H., and M. T. Rietveld, Harmonics of the ion acoustic frequency in the heater induced ion spectrum, *J. Geophys. Res.*, 101, A32, [5391-5395, 1996.](#)
3. * Lyatsky, W. B., E. G. Belova, and A. B. Pashin, Artificial magnetic pulsation generation



- by powerful ground-based transmitter, [J. Atmos. Sol. Terr. Phys., 58, 407-414, 1996](#).*
4. Rietveld, M. T., E. Turunen, H. Matveinen, N. P. Goncharov and P. Pollari, Artificial Periodic Irregularities in the Auroral Ionosphere, [Ann. Geophysicae 14, 1437-1453, 1996](#).
 5. Robinson, T. R., F. Honary, A. J. Stocker, T. B. Jones, and P. Stubbe, First EISCAT observations of the modification of F-region electron temperatures during RF heating at harmonics of the electron gyrofrequency, [J. Atmos. Terr. Phys., 58, 1-4, 385-395, 1996](#).
 6. * R. P. Sharma, P. Stubbe and A. D. Verga, Numerical simulation of a Zakharov-Boussinesq system of equations to study Langmuir turbulence in the ionosphere, [J. Geophys. Res. 101, 10995-11003, 1996](#).*
 7. Stubbe, P., Review of ionospheric modification experiments at Tromsø, [J. Atmos. Terr. Phys., 58, 1-4, 349-368, 1996](#).
 8. Stubbe, P., The ionosphere as a plasma laboratory, [Modern Ionospheric Science](#), eds. Kohl, Rüster and Schlegel, European Geophysical Society, Katlenburg-Lindau, FRG, 274-321, 1996.

1995

[\[Top \]](#) [\[1994 \]](#) [\[1996 \]](#) [\[End \]](#)

1. * Belova, E.G., A.B. Pashin, and W.B. Lyatsky, Passage of a powerful HF radio wave through the lower ionosphere as a function of initial electron density profiles, [J. Atmos. Terr. Phys., 57, 265-272, 1995](#).*
2. * Huang, J., S. P. Kuo, and H. L. Zhou, A theoretical study on the broad symmetric structure in the stimulated electromagnetic emission spectrum, [J. Geophys. Res., 100, 2, 1639-1645, 1995](#).*
3. Honary, F., A. J. Stocker, T. R. Robinson, T. B. Jones and P. Stubbe, Ionospheric plasma response to HF radio waves operating at frequencies close to the third harmonic of the electron gyrofrequency, [J. Geophys. Res., 100, A11, 21489-21502, 1995](#).
4. * Istomin, Ya. N., and T. B. Leyser, Parametric decay of an electromagnetic wave near electron cyclotron harmonics, [Phys. Plasmas, 2, 2084-2097, 1995](#).*
5. * James, H. G., High frequency ducting in the high-latitude bottomside F-region, Radio



Sci., 30, 2, 445-461, 1995*

6. * Mjølhus, E., A. Hanssen and D.F. DuBois, Radiation from electromagnetically driven Langmuir turbulence, *J. Geophys. Res.*, 100, 9, 17527-17541, 1995.*
7. * Pashin, A. B., E. G. Belova, and W.B. Lyatsky, Magnetic pulsation generation by powerful ground-based modulated HF radio transmitter, *J. Atmos. Terr. Phys.*, 57, 245-252, 1995.*
8. Rietveld, M. and L. Kalliopuska (Eds.): Extended abstracts of the 4th European Heating seminar, May 16-19, 1995, Ramfjordmoen, Norway, ISBN 951-42-4215-7, Department of Physics, University of Oulu, 1995. nr 126. 31 pages, 1995.
9. Robinson, T. R., F. Honary, A. Stocker, and T. B. Jones, Factors Influencing the Heating of the Auroral Electrojet by High Power Radio Waves, *Adv. Space Res*, 15, 12, 41-44, 1995.
10. Robinson, T. R., A. J. Stocker, and G. Bond, HF scatter from artificial irregularities above Tromsø, *IEE Antennas and Propagation Colloquium Digest*, 9/1-9/7, 1995.
11. Westman, A., T. B. Leyser, G. Wannberg, and M. T. Rietveld, Tristatic EISCAT-UHF measurements of the HF modified ionosphere for low background electron temperatures, *J. Geophys. Res*, 100, A6, 9717-9728, 1995.

1994

[[Top](#)] [[1993](#)] [[1995](#)] [[End](#)]

1. Böisinger, T. and L. Kalliopuska (Eds.): Extended abstracts of the 3rd European Heating seminar, Murmansk/Russia, May 24-26, 1994. Report No. 125, ISBN 951-42-4085-5, Dept. of Physics, University of Oulu, 57 pages, 1994.
2. Djuth, F., P. Stubbe, M. P. Sulzer, H. Kohl, M. T. Rietveld, J. H. Elder, Altitude characteristics of plasma turbulence excited with the Tromsø superheater, *J. Geophys. Res.*, 99, A1, 333-339, 1994.
3. Goncharov, N. P., M. T. Rietveld, and J. Röttger, Creation of artificial periodic inhomogeneities for studies of the middle atmosphere and lower thermosphere, *Proc. 6th Workshop on Technical Aspects of MST Radar*, Ed B. Edwards, 436-440, 1994.
4. * Huang, J. and S. P. Kuo, A theoretical model for the broad upshifted maximum in the stimulated electromagnetic emission spectrum, *J. Geophys. Res.*, 99, A10,



19569-19576, 1994. *

5. Kimura, I., P. Stubbe, M. T. Rietveld, R. Barr, K. Ishida, Y. Kasahara, S. Yagitane and I. Nagano, Collaborative experiments by Akebono satellite, Tromsø ionospheric heater, and European incoherent scatter radar, *Radio Sci.*, 29, 1, 23-37, 1994.
6. * Leyser, T. B. Electromagnetic radiation by parametric decay of upper hybrid waves in ionospheric modification experiments, *Phys. Plasmas (formerly Phys. Fluids B)*, 1, 2003-2011, 1994. *
7. Leyser, T. B., B. Thide, M. Waldenvik, E. Veszelei, V. L. Frolov, S. M. Grach, and G. P. Komrakov, Downshifted maximum features in stimulated electromagnetic emission spectra, *J. Geophys. Res.*, 99, A10, 19555-19568, 1994.
8. *Robinson, T. R., The Role of natural E-region plasma turbulence in the enhanced absorption of HF radio waves in the auroral ionosphere: Implications for RF heating of the auroral electrojet, *Ann. Geophys.*, 12, 4, [316-332](#), 1994.*
9. Stalder, W., Radarbeobachtungen künstlich angeregter Langmuirinstabilitäten in der Ionosphäre: Höhenkorrelation und zeitliche Entwicklung, Diplomarbeit (Masters thesis), Universität Göttingen, 1994.
10. Stubbe, P., A. J. Stocker, F. Honary, T. R. Robinson, and T. B. Jones, Stimulated electromagnetic emissions (SEE) and anomalous HF wave absorption near electron gyroharmonics, *J. Geophys. Res.*, 99, A4, 6233-6246, 1994.

1993

[\[Top \]](#) [\[1992 \]](#) [\[1994 \]](#) [\[End \]](#)

1. Barr, R., and P. Stubbe, ELF harmonic radiation from the Tromsø Heating facility, *Geophys. Res. Lett.*, 20, [2243-2246](#), 1993.
2. * DuBois, D. F., A. Hanssen, H. A. Rose, and D. Russell, Excitation of strong Langmuir turbulence in the ionosphere: comparison of theory and experiment, *Phys. Fluids B*, 5, 2616-2622, 1993.*
3. * DuBois, D.F., A. Hanssen, H.A. Rose, and D. Russell, Space and time distribution of HF excited Langmuir turbulence in the ionosphere, *J. Geophys. Res.*, 98, A10, 17543-17568, 1993.*



4. * Hanssen, A., Nonlinear Langmuir waves in the ionosphere, Proc. Mini-Workshop on Wave Phenomena in Solar-Terrestrial Plasmas, (Eds.: Maltby, P. and H. Pecseli), ITA, Oslo, 29-38, 1993.*
5. * Hanssen, A., E. Mjølhus, and D.F. DuBois, Driven and damped Langmuir turbulence, ESA Proc., WPP-047, 39-43, 1993.*
6. Honary, F., A. J. Stocker, T. R. Robinson, T. B. Jones, N. M. Wade, P. Stubbe and H. Kopka, EISCAT observations of electron temperature oscillations due to the action of high power HF radio waves, J. Atmos. Terr. Phys., 55, 10, 1433-1448, 1993.
7. Kohl, H., H. Kopka, P. Stubbe, and M. T. Rietveld, Introduction to ionospheric heating experiments at Tromsø Part 2: Scientific problems, J. Atmos. Terr. Phys., 55, 601-603, 1993.
8. *Mjølhus, E., On the small scale striation effect in ionospheric radio modification experiments near harmonics of the electron gyrofrequency, J. Atmos. terr. Phys. 55, 907-918, 1993.*
9. Rietveld, M. T., H. Kohl, H. Kopka, and P. Stubbe, Introduction to ionospheric heating experiments at Tromsø Part 1: Experimental overview, J. Atmos. Terr. Phys., 55, 577-599, 1993.
10. *Sharma, R.P., A. Kumar, R. Kumar, Excitations of ion-Bernstein waves in ionospheric modification experiment, Radio Sci., 28, 6, 951-957, 1993.*
11. Stocker, A. J, F. Honary, T. R. Robinson, T. B. Jones, and P. Stubbe, Anomalous absorption during artificial modification at harmonics of the electron gyrofrequency, J. Geophys. Res., 98, A8, 13627-13634, 1993.

1992

[\[Top \]](#) [\[1991 \]](#) [\[1993 \]](#) [\[End \]](#)

1. DuBois, D. F., A. Hanssen, and H. A. Rose, Comment on "Langmuir turbulence and ionospheric modification" by P. Stubbe, H. Kohl, and M.T. Rietveld, J. Geophys. Res., 97, A10, 15059-15066, 1992.
2. * Hanssen, A., Electromagnetically Driven Langmuir Turbulence in the Ionosphere, Ph.D. Thesis, Univ. of Tromsø, Norway, 1992. *



3. * Hanssen, A., E. Mjølhus, D.F. DuBois and H.A. Rose, Numerical test of the weak turbulence approximation to ionospheric Langmuir turbulence, *J. Geophys. Res.* 97, A8, 12073-12091, 1992.*
4. Honary, F., A. J. Stocker, T. R. Robinson, T. B. Jones, P. Stubbe, Modification of the ionospheric plasma by high power radio waves operating at harmonics of the electron gyrofrequency, 19th IOP Plasma Physics Conf. Proc. (Nottingham), 35, 1992.
5. Lobachevsky, L. A., Yu. V. Gruzdev, V. Yu. Kim, G. A. Mikhaylova, and V. A. Panchenko, Observations of ionospheric modification by the Tromsø heating facility with the mobile diagnostic equipment of IZMIRAN, *J. Atmos. Terr. Phys.*, 54, 1, 75-85, 1992.
6. Stocker, A. J., F. Honary, T. R. Robinson, T. B. Jones, P. Stubbe, and H. Kopka, EISCAT observations of large scale electron temperature and electron density perturbations caused by high power HF radio waves, *J. Atmos. Terr. Phys.*, 54, 11/12, 1555-1572, 1992.
7. Stubbe, P., H. Kohl, and M. T. Rietveld, Langmuir turbulence and ionospheric modification, *J. Geophys. Res.*, 97, A5, [6285-6297](#), 1992.
8. Stubbe, P., H. Kohl, and M. T. Rietveld, Reply to comment by DuBois et al., *J. Geophys. Res.*, 97, A10, [15067-15071](#), 1992.

1991

[\[Top \]](#) [\[1990 \]](#) [\[1992 \]](#) [\[End \]](#)

1. Barr, R., and P. Stubbe, ELF radiation from the Tromsø 'super-heater' facility, *Geophys. Res. Lett.*, 18, 6, 1035-1038, 1991.
2. Barr, R., and P. Stubbe, On the ELF generation efficiency of the Tromsø heater facility, *Geophys. Res. Lett.*, 18, 11, 1971-1974, 1991.
3. Barr, R., P. Stubbe, and H. Kopka, Long-range detection of VLF radiation produced by heating the auroral electrojet, *Radio Sci.*, 26, 4, 871-879, 1991.
4. Dowden, R. L., C. D. D. Adams, M. T. Rietveld, P. Stubbe, and H. Kopka, Phase and amplitude perturbations on subionospheric signals produced by a moving patch of artificially heated ionosphere, *J. Geophys. Res.*, 96, A1, [239-248](#), 1991.
5. * Dowden, R. L., C. D. D. Adams, VLF versus MF heating of the lower ionosphere, *J.*



- Geophys. Res., 96, A8, [14179-14182](#), 1991. *
6. * Hanssen, A., Resonance broadening modification of weak plasma turbulence theory, J. Geophys. Res., 96, A2, 1867-1871, 1991. *
 7. B. Isham, Chirped Incoherent Scatter Radar Observations of the HF-Modified Ionosphere, PhD Thesis, Cornell University, Ithaca, New York, USA, 1991.
 8. Stubbe, P., H. Kohl, and M. T. Rietveld, Langmuir turbulence and ionospheric modification, Report MPAE-W-02-91-20, , Max-Planck-Institut für Aeronomie, Katlenburg-Lindau-FRG, 1991.

1990

[\[Top \]](#) [\[1989 \]](#) [\[1991 \]](#)

1. * Hanssen, A. and E. Mjølhus, On the weak turbulence approximation, AGARD Conf. Proc., 485, 9-1 to 9-12, 1990. *
2. Isham, B., W. Kofman, T. Hagfors, J. Nordling, B. Thidé, C. LaHoz and P. Stubbe, New phenomena observed by EISCAT during RF ionospheric modification experiments, Radio Sci., 25, 3, 251-262, 1990.
3. James, H.G., U. S. Inan, and M. T. Rietveld, Observations on the DE-1 spacecraft of ELF/VLF waves generated by an ionospheric heater, J. Geophys Res., 95, A8, [12187-12195](#), 1990.
4. Jones, T. B., The physics of ground based heating, AGARD Conf Proc No. 485, 1A.1- 1A.9, 1990.
5. Jones, T. B., and A. Wilkinson, Enhanced fading rates produced during ionospheric modification, AGARD Conf Proc No. 485, 12.1-12.7, 1990.
6. Leyser, T. B., B. Thidé, H. Derblom, Å. Hedberg, B. Lundborg, P. Stubbe and H. Kopka, Dependence of stimulated electromagnetic emission on the ionosphere and pump wave, J. Geophys. Res., 95, A10, 17233-17244, 1990.
7. Maul, A.-A., M. T. Rietveld, P. Stubbe, and H. Kopka, Excitation of periodic magnetic field oscillations in the ULF range by amplitude modulated HF waves, Annales Geophysicae, 8, 11, [765-780](#), 1990.
8. Rietveld, M. T., R. Barr, P. Stubbe, A. Maul, H. Kopka, R. L. Dowden, VLF, ELF and ULF



- wave research using the Tromsø Heating facility, AGARD Conf Proc No. 485, 6-1, 1990.
9. Robinson, T. R., The ionosphere: disturbing effects of radio, *Nature*, 346, 612, 1990.
 10. Stubbe, P., and H. Kopka, Stimulated electromagnetic emission in a magnetized plasma: a new symmetric spectral feature, *Phys. Rev. Lett.*, 65, 2, 183-185, 1990.
 11. Thidé, B., Stimulated Scattering of Large Amplitude Waves in the Ionosphere: Experimental Results, *Physica Scripta*, T30, [170-180](#), 1990.