

- North Atlantic, Meteor. Mag., 117, 325-341.
- 岡林俊雄, 1972: 温帯低気圧, 前線系の雲パターン, 気象研究ノート, (113), 455-491.
- Sanders, F. and J. R. Gyakum, 1980: Synoptic-dynamic climatology of the "bomb", Mon. Wea. Rev., 108, 1589-1606.
- Shapiro, M. A. and D. Keyser, 1990: Fronts, jet streams and the tropopause, Extratropical Cyclones: the Eric Palmen Memorial Volume, C. W. Newton and E. O. Holopainen Eds., Amer. Meteor. Soc., 167-191.
- Takayabu, I, 1991: "Coupling development": An efficient mechanism for the development of extratropical cyclones, J. Meteor. Soc. Japan, 69, 609-628.
- Uccellini, L. W., 1990: Processes contributing to the rapid development of extratropical cyclones, Extratropical Cyclones: the Eric Palmen Memorial Volume, C. W. Newton and E. O. Holopainen Eds., Amer. Meteor. Soc., 81-105.
- Uccellini, L. W. and D. R. Johnson, 1979: The coupling of upper and lower tropospheric jet streaks and implications for the development of severe convective storms, Mon. Wea. Rev., 107, 682-703.

Structure of a Rapidly Intensifying Cyclone over the Sea of Japan in Late Autumn

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(Received 10 April 1998; Accepted 14 August 1998)

1999年度春季大会の講演申込締切日のお知らせ

1999年度春季大会は、4月26日(月)～28日(水)に気象庁とKKRホテル東京で開催されます。会期が例年より約1か月早いため、講演申込の締切日は2月10日(水)となります。詳細は12月号で告示します。

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