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(国際交流委員会)

- No. 9 R. A. Zevakina, E. V. Lavrova and L. N. Lyakhova: Manual on short-term prediction of ionospheric geomagnetic storms and radio-propagation forecasting service. Monography published by the Publishing House, Nauka, Moscow, 1967. (69 p. + Ap Appendix 3p.)
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- No. 15 G. I. Aleksandrova et al: Determination of oxygen content in germanium and silicon by He ion Activation. State Committee for the Use of Atomic Energy in the USSR I.V. Kurchatov Institute of Atomic Energy. (11p.)
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- No. 24 G. Zeidler: An anomalous temperature dependence of the threshold in a Quasi-Cw ruby laser. Zeitschrift für Naturforschung **22a**: 566-570, 1967. (13p.)

- No. 25 Ch. Ottinger: Measurement of the dissociation rate of molecular ions. *Zeitschrift für Naturforschung*, **22a**, 20-40, 1967. (41p.)
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- No. 27 A. P. Iutsis and R. S. Dagis: Improvement in the theoretical determination of the fine structure of terms of atomic species of boron, carbon, and nitrogen type. *Akademia Nauk Litovskoi, SSR, Trudy, Ser. B*, **1**, (21): 59-70, 1960. (14p.)
- No. 28 K. Kraus, W. Müller-Duysing and H. Neuert: Collisions of slow negative ions with charge transfer. *Zeitschrift für Naturforschung*, Vol. **16** a, pp. 1385-1387, 1961. (5 p.)
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- No. 39 Koo Chen-Chao (顧震潮) et al: Some theoretical problems concerning the microphysical processes of precipitation, cloud, and fog. Institute of Geophysics and Meteorology, Academia Sinica, Peking, China 1963. 59p. (107p.) (88ページに続く)

果がでた。

ここで用いた計算式及び気象条件は、(1)煙突有効高は Holland の式、(2)拡散計算式は英国気象局法、(3)安定度分類、その他拡散係数は Pasquill の表、(4)気象条件は、日射量、天気、雲量、風向、風速、気圧である。

この方法の問題点として

- (1) SO<sub>2</sub> の採取時間を C<sub>10</sub>→C<sub>60</sub> で行なった。
- (2) 風向、風速、安定度は各独立事象でないが、確率的に独立事象として扱った。
- (3) 濃度は各係数の積分された値で表わされ、それを確率的に時間数で割って時間濃度を求めた。
- (4) 風向を直線的に16方位で分けた。

16. 河野幸男 (大阪管区): 気球用測塩素子について  
気球にとりつけて気温を測定する温度計について、実用上の立場から検討した結果についてのべる。内容のあらまきは、

- (1) UJT による抵抗周波数変換器の電圧、温度特性トランジスター、抵抗器、コンデンサーなどの変化による周波数変化。
- (2) トランジスターブロッキング発振器による抵抗周波数変換器の電圧、温度特性、部品変化による周波数変化。
- (3) Throw away 式の温度計の試作。

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| No. 40 Chao-Jih-Ping and Chow-Shiao-Ping:                   | Cumulus dynamics. Monographs on Problems in Modern Meteorology, The Source Press, Peking, 1964 (131p.)   |
| No. 41 Yeh Tu-Cheng (叶 篤正) and Wang Hsiao-Ling (王 曉林):      | A preliminary study of the instability and development of ultra-long waves. Acta Meteorologica Sinica (気象学報) <b>35</b> (2): 174-188, 1965 (Emm 63-180) (25p.)  |
| No. 42 Wang Chung-Hao (王 宗皓):                               | A method of setting up finite-difference schemes for prediction equations. Acta Meteorologica Sinica (気象学報) <b>35</b> (2): 399-407, 1965 (14 p.)   |
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