$^6A_1 \rightarrow {}^4A_1{}^4E(G)$ 22,600 cm^{-1}
$^6A_1 \rightarrow {}^4T_2(D)$ 26,000 cm^{-1}
and $^6A_1 \rightarrow {}^4E(D)$ 27,000 cm^{-1}.

At the higher energies, the spectra of Fe^{3+} in muscovite and garnet are very similar.

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SULPHIDE RESEARCH CONTRIBUTIONS FROM THE MINERAL SCIENCES DIVISION, MINES BRANCH, DEPARTMENT OF ENERGY, MINES AND RESOURCES

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Several years ago it was decided that a significant proportion of the research activity of the scientific personnel of the Mineral Sciences Division should be directed toward a study of the properties and behaviour of sulphides and related minerals. This decision was based on the fact that sulphides represent an extremely important part of Canada's mineral economy and that the knowledge about the fundamental properties of sulphides and their genesis in nature is far from complete. Furthermore, it is generally recognized that advances in technology, in this case the recovery of sulphides from ore and their subsequent utilization, are ultimately predicated on increasing the reservoir of fundamental knowledge. The sulphide research programme, as it was conceived and put into practice, is a broadly inter-disciplinary one, with contributions being made by scientific personnel with a wide range of specialties.

To provide a convenient form of reference to the publications resulting from the sulphide research programme it was recently decided to number the contributions sequentially. Since a number of papers have already been published, the numbers have had to be assigned retroactively, and it is the purpose of this note to provide a listing of the previously published papers in this series. They are as follows:

1. P. G. MANNING, "Cu(II) in Octahedral Sites in Sphalerite," *Can. Min.*, **8**, (1966), 567–571.
2. T. M. BALESHTA, & J. D. KEYS, "A Single Electrometer Method of Measuring Transport Properties of High Resistivity Semi-Conductors," *Am. Journ. Physics*, **36**, (1968), 23–26.
3. P. G. MANNING, "Absorption Spectra of Fe(III) in Octahedral Sites in Sphalerite," *Can. Min.*, **9**, (1967), 57–64.
4. P. G. MANNING, "A Study of the Bonding Properties of Sulphur in Bornite," *Can. Min.*, **9**, (1967), 85–94.
5. L. J. CABRI, "A New Copper-Iron Sulfide," *Econ. Geol.*, **62**, (1967), 910–925.
6. E. H. NICKEL, "Structural Stability of Minerals with Pyrite, Marcasite, Arsenopyrite and Löllingite Structures," *Can. Min.* **9**, (1968), 311–321.
7. T. M. BALESHTA, & D. W. CARSON, "Apparatus for Measuring Thermoelectric Powers of Semiconductors from 77°K to 600°K," *Journ. Scientific Instruments* (1968), Ser. 2, **1**, 469–470.
8. B. NEBESAR, D. M. NORMAN, "A Rotating Oven for a General Sealed-Vessel Sample Decomposition Technique," *Analytical Chem.*, **40**, (1968), 663–664.
9. J. D. KEYS, J. L. HORWOOD, T. M. BALESHTA, L. J. CABRI & D. C. HARRIS, "Iron-Iron Interaction in Iron-Containing Zinc Sulphide," *Can. Min.*, **9**, (1968), 453–467.
10. P. G. MANNING, "Optical Absorption Studies of the Mixed-Ion Doping of Sphalerite," *Can. Mineral.* **9**, (1968), 429–433.
11. L. J. CABRI, "Density Determinations: Accuracy and Application to Sphalerite Stoichiometry," *Am. Mineral.* **54**, (1969), *in press*.

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Professor W. W. Moorhouse, former acting editor, died suddenly Feb. 26: a memorial article is being prepared for the next issue of this journal.

The journal is issued about twice a year and is sent to all members of the Mineralogical Association of Canada. The annual fee for ordinary and associate members is now $7.00; for corporate members, including libraries $12.00; for student members $1.00. Membership in the Association is subject to the approval of the executive committee.