|          | The Casmo<br>CHRISTOPI<br>Canada Re<br>The Casmo (<br>located 6 kild         | — 2:30 p.m.  o (Storie) Molybdenite Deposit, Cassiar, B.C.  HER BLOOMER, Geologist, Western Base Metals, Shell sources Ltd., Calgary, Alberta.  (Stobie) molybdenite deposit, discovered in the early 1950s, is pretres south of the town of Cassiar in northern British Colum-   | CIM<br>Dist. G<br>Victoria<br>Oct/8/  |    |      |
|----------|--|---|---|----|------|
|          | perty in 1964<br>metres of dia<br>tioned the p<br>metres. Appl<br>0.123% Mos | Jersey Zinc Exploration Company of Canada optioned the pro-<br>l and from 1964 through 1968 completed approximately 7,000<br>amond and percussion drilling. In 1971, Levana Exploration op-<br>roperty from New Jersey Zinc and drilled an additional 960<br>roximately 50.6 million tonnes of mineralization at a grade of<br>2 had been outlined by 1971. The property lay dormant from<br>179, when Shell Canada Resources optioned the property from  |   |    |      |
| 51       |  | Volume 74, No. 833  |   |    |      |
| £        |  | New Jersey Zinc. To date, Shell has completed 8,500 metres of ing outlining 100.5 million tonnes of mineralization at a grac MoS <sub>2</sub> .  The deposit is hosted by the Cassiar Stock, a 72-Ma quartz-most sion of the Cassiar Batholith. Molybdenite, the only economic sent, is hosted primarily within quartz-pyrite-bearing fracture fill There is no readily discernible alteration pattern. Propylitic widespread, as are barren pyrite-bearing fractures. Argillic altratic and is mainly related to faulting. Potassic alteration i K-feldspar enveloped along fractures.  The Casmo deposit lacks many of the characteristics as classic molybdenite systems. There is no evidence of force events, such as breccia pipes, dyke swarms, strong quartz s multiple intrusive events. Alteration patterns are not consist over-all development is weak. Rocks at Casmo are, however | le of 0.130%  conzonite intru- imineral pre- llings. I alteration is eration is eration is er- s present as  sociated with eful intrusive tockworks or ent and their er, chemically |    | ,    |
|          |  | similar to other deposits, indicating that this deposit is part of a lintrusive system.   | nighly evolved  |    |      |
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| 100.5 me | elin fo  | intrusive system.   |   | 2. | O12. |
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