



Fragments Et Souvenirs Precede DUne Notice Historique (2)

By -

RareBooksClub. Paperback. Book Condition: New. This item is printed on demand. Paperback. 36 pages. OCLC Number: (OCoLC)216928854 Subject: Photovoltaic cells -- Research. Excerpt: . . . 5 10 to avoid a serious loss of signal noise in the TIMS data. In practice, we have 4 6 achieved suppression factors of 10-10 for the various ions and discharge conditions. 5. Quadrupole Mass Spectrometer While some commercially available quadrupole mass spectrometers QMS can be adapted for TIMS measurements, they are quite expensive and the ionizer region would still have to be reconstructed and independently controlled. Thus, we have chosen to utilize and modify a QMS left over from another project in our laboratory. This includes replacing an unreliable channel-plate electron multiplier with a Channeltron electron multiplier from Burle Corp. This provides large and stable gain, allowing individual ions to be easily and reliably detected. We utilize a Dycor Amatec QMS for the radical detection, with the ionizer and ion collection portions modified for use in TIMS. We found the QMS electronics very unreliable, obscure and ill suited for our need to average weak ion signals during ionizing electron energy (E) scans under computer control. Thus, we have produced our own...



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