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THE

# REVIEW OF PHYSICAL CHEMISTRY OF JAPAN

Founded in 1926

## CONTENTS

<b>Masaru Hongo</b> : Initial Density Dependence of Gas Viscosity .....	1
<b>Masaru Hongo</b> : Viscosity of Propylene under Pressures .....	11
<b>Kiyoshi Shimizu and Noriaki Tsuchihashi</b> : Pressure Effect on Conductance of Aqueous Solutions of Potassium Halides .....	16
<b>Toshihiro Nakayama</b> : Pressure Effect on the EDA Complexes in Solution.....	25
<b>Yoshimasa Takezaki, Koichi Watanabe, Yoshiyuki Tanaka and Akira Nagashima</b> : Some Evaluated Thermophysical Properties of Gaseous Ethyne .....	39
<b>Tsutomu Asano</b> : On the Volume Increase During Cyclization .....	56

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(Butsuri-Kagaku no Shinpo)

Found in 1926

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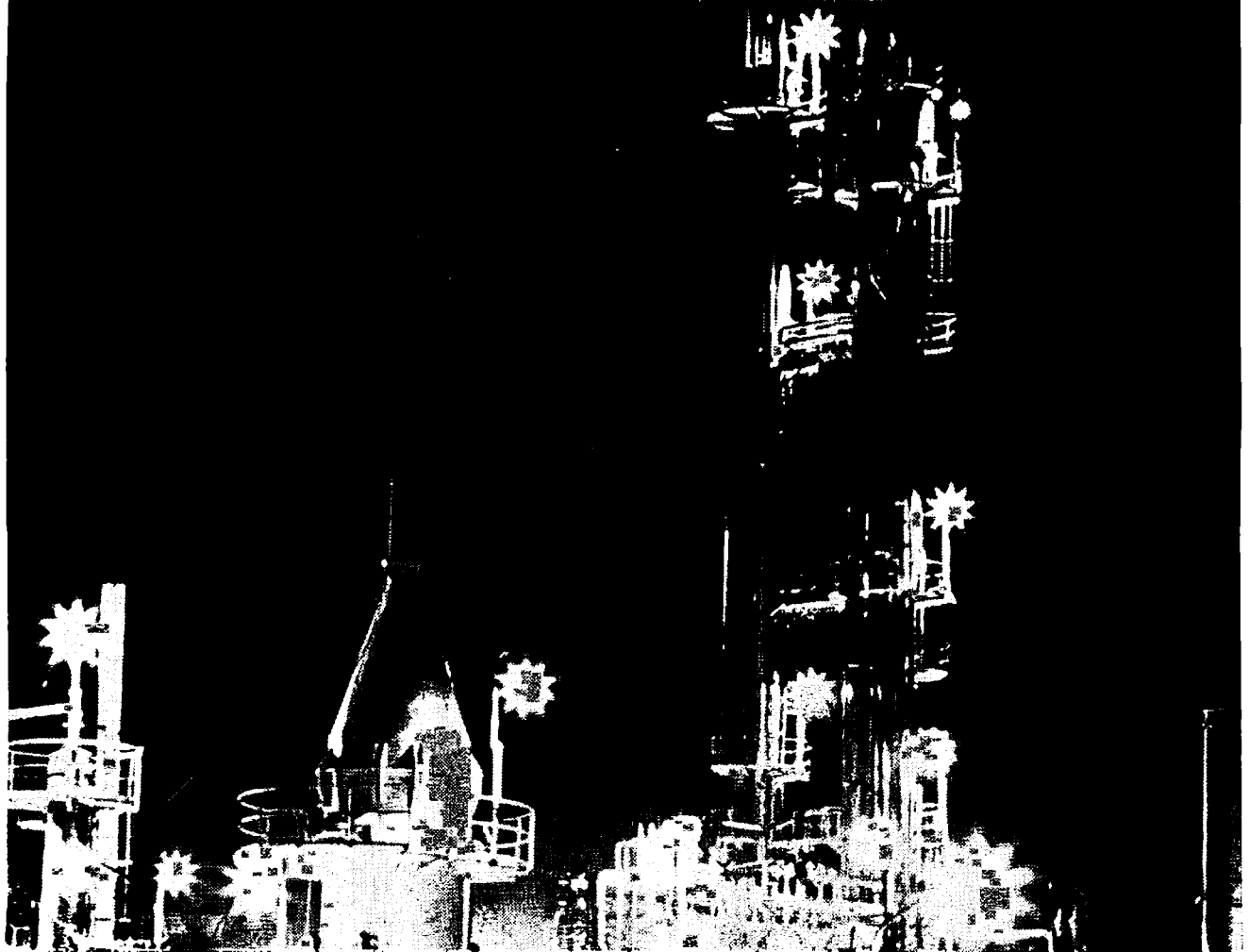
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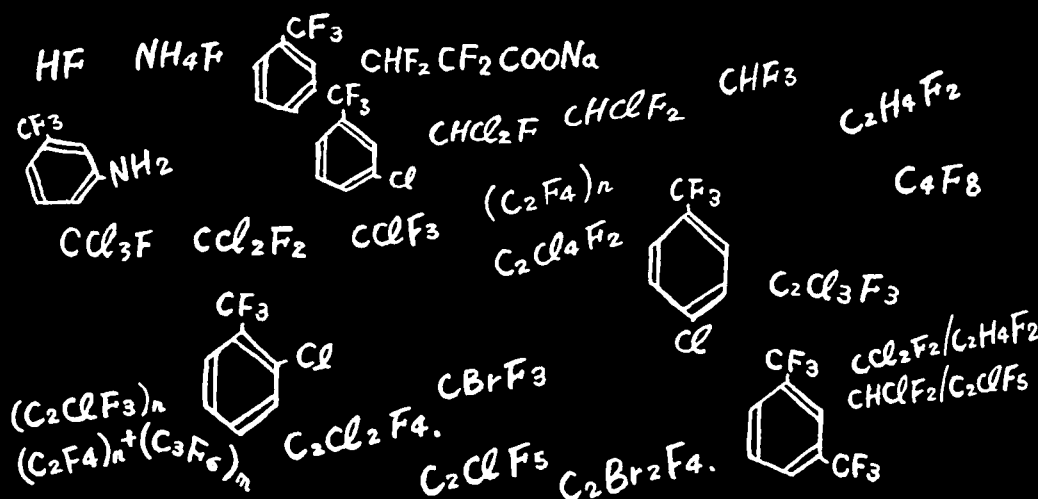
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**Example of Application with  
EMAX-1000 + SEM**



Photo 1 : 700 fold enlargement of an IC. The lower part shows the line analysis of Al. The electron Beam is scanned over the line (scanning time: 80 sec.).



Photo 2: The plan analysis of Photo 1 showing Al distribution.



Photo 3: Background is removed by contrast enhancer.

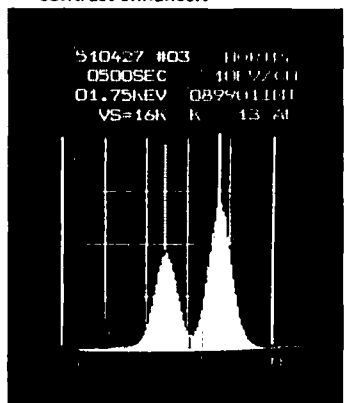
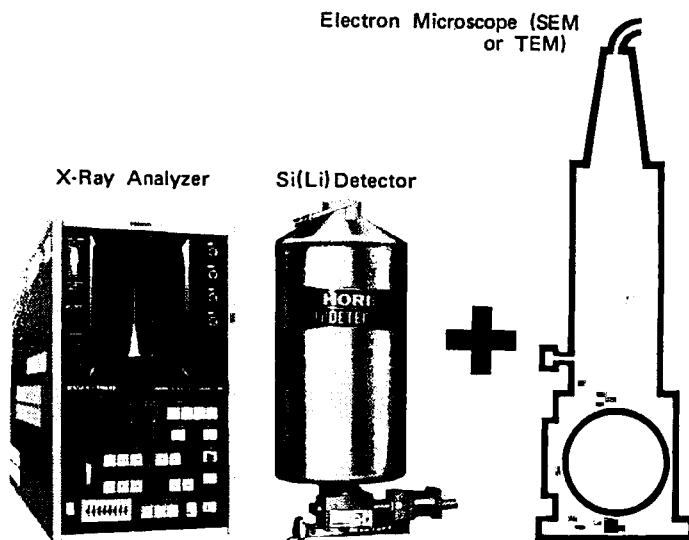


Photo 4: The X-ray analysis of the area shown in Photo 1. The brighter peak is the window-set Al. The adjacent peak is Si.

**Simultaneous qualitative analysis of  
multi-elements( $^{11}\text{Na}$ - $^{92}\text{U}$ )  
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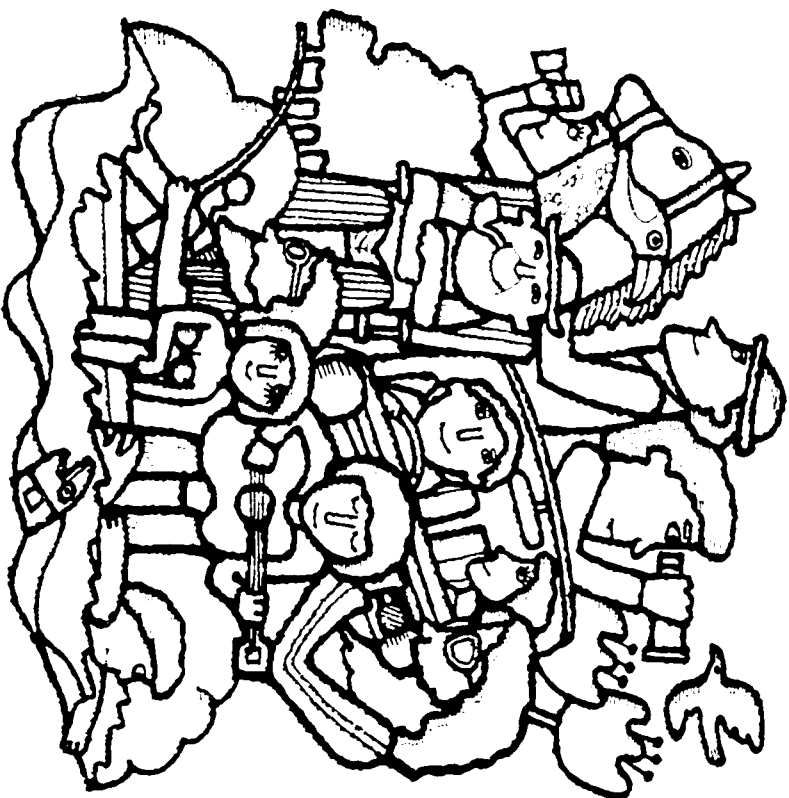
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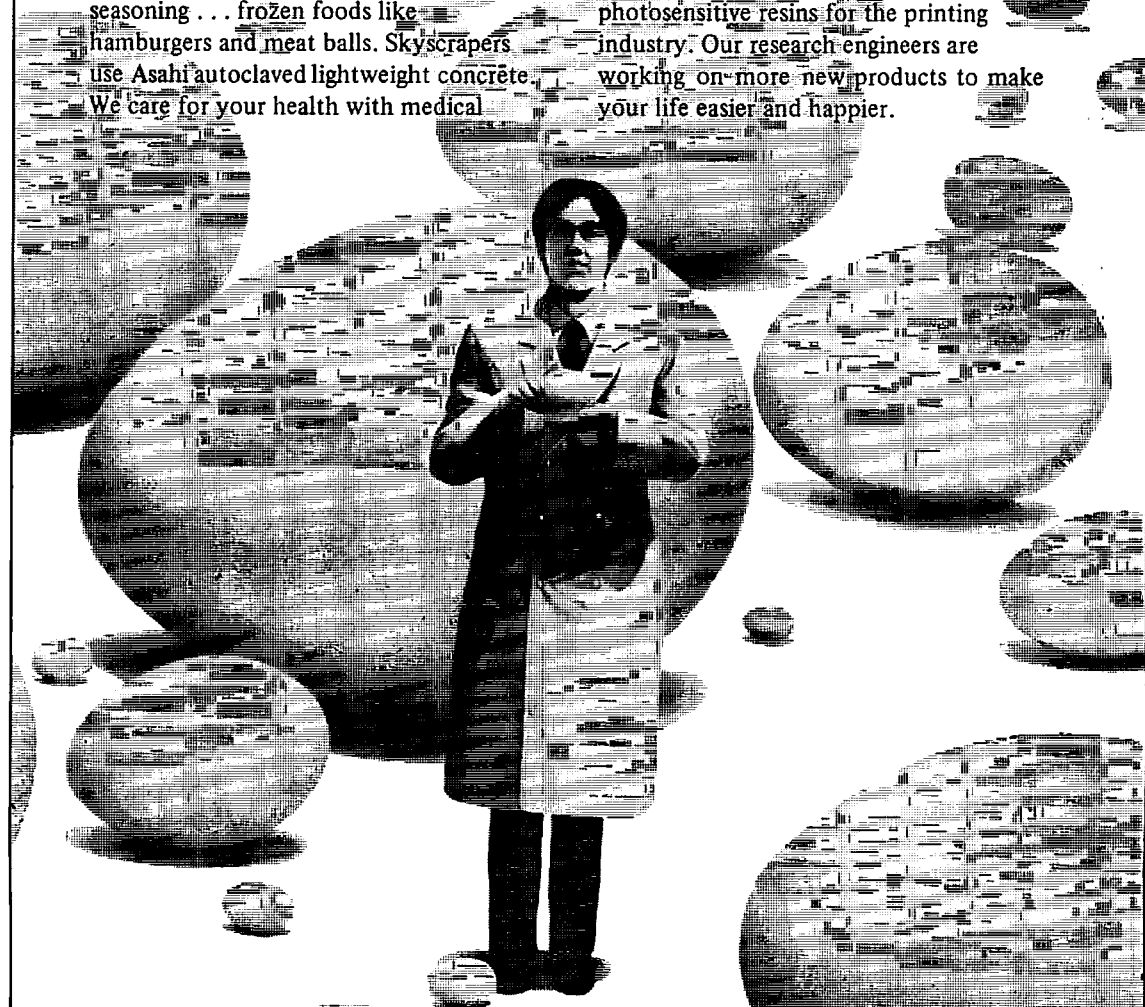
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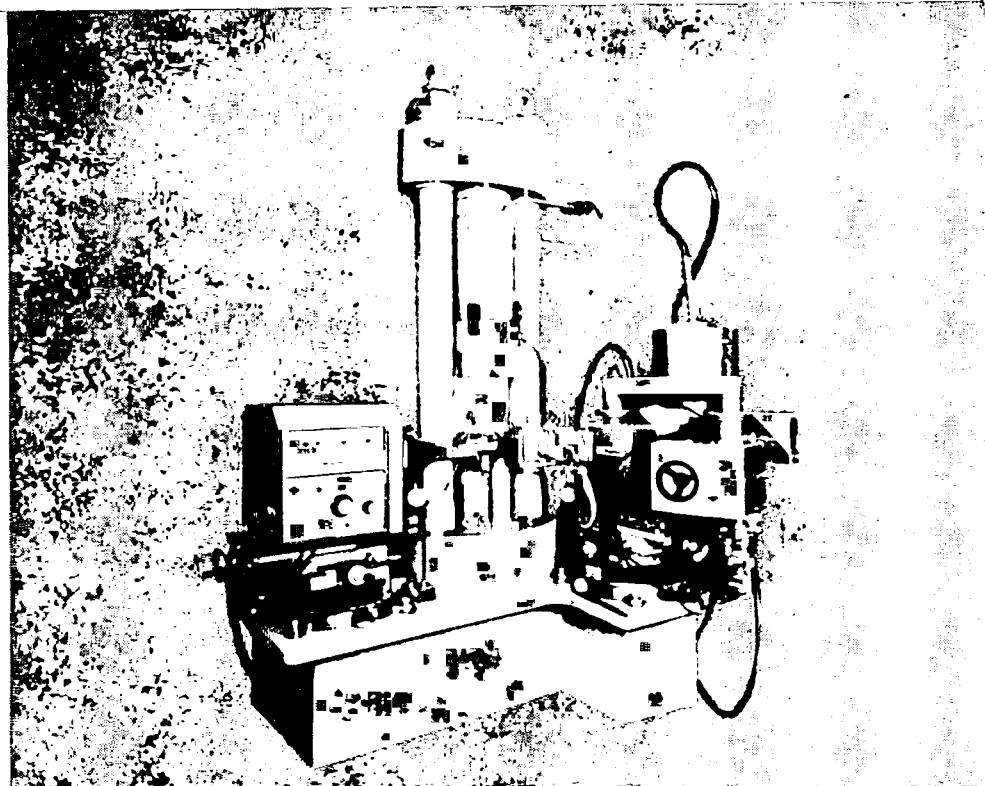
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Working pressure (kilobars)	100	80	80	60
Working temperature (°C) (under the pressure above)	1,500	1,500	1,500	1,500
Dimensions of sample holder (mm)	6×6×6	10×10×10	15×15×15	20×20×20
Capacity of high pressure press (metric ton)	250	600	1,200	2,500
Input (not including power for heating)	750W 200V 50 or 60Hz	1,500W 200V 50 or 60Hz	1,500W 200V 50 or 60Hz	1,500W 200V 50 or 60Hz
Operation period (minute/cycle)	15	20	25	30

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