

THE

*Y. Kiminaka  
J. Lee*

# REVIEW OF PHYSICAL CHEMISTRY OF JAPAN

Founded in 1926

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(Butsuri-Kagaku no Shinpo)

Found in 1926

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**Communications to the Editor** should be addressed to Board of Editors, The Physico-Chemical Society of Japan, Faculty of Science, Kyoto University, Kyoto, Japan.

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**Example of Application with  
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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.).

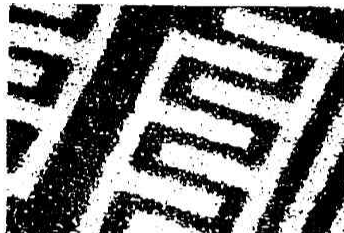


Photo 2: The plan analysis of Photo 1 showing Al distribution.



Photo 3: Background is removed by contrast enhancer.

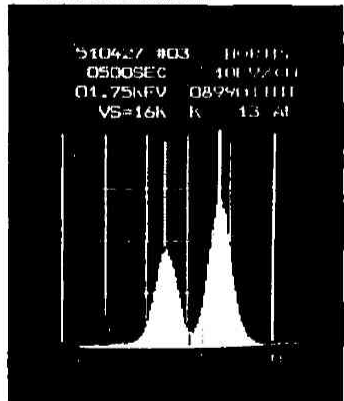
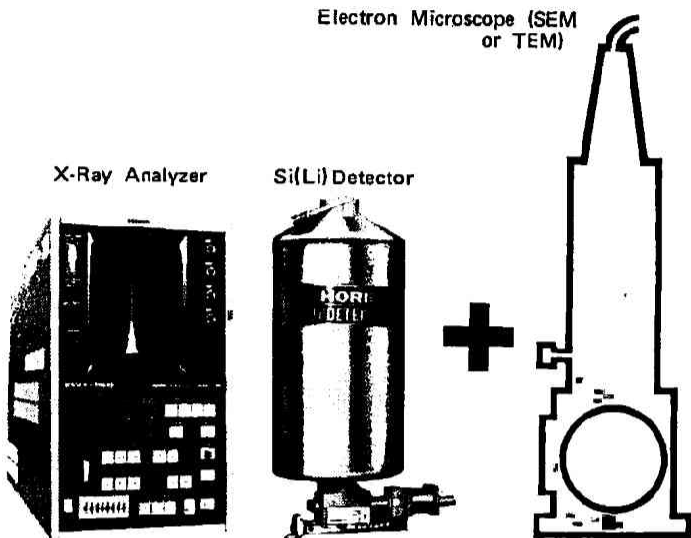


Photo 4: The X-ray analysis of the area shown in Photo 1. The brighter peak is the window-set Al. The adjacent peak is Si.

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multi-elements( $_{11}\text{Na}$ - $_{92}\text{U}$ )  
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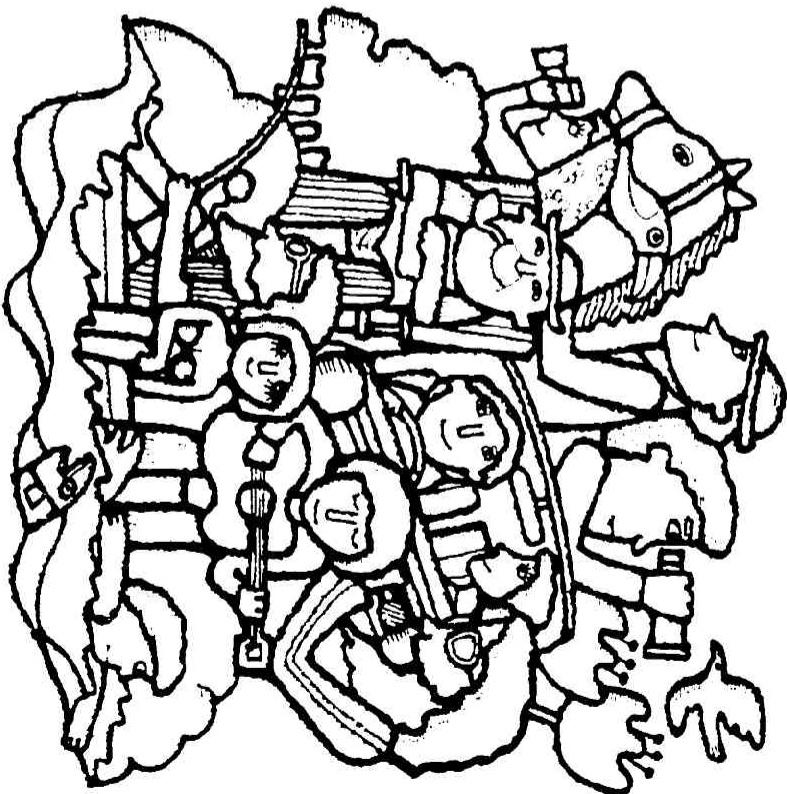
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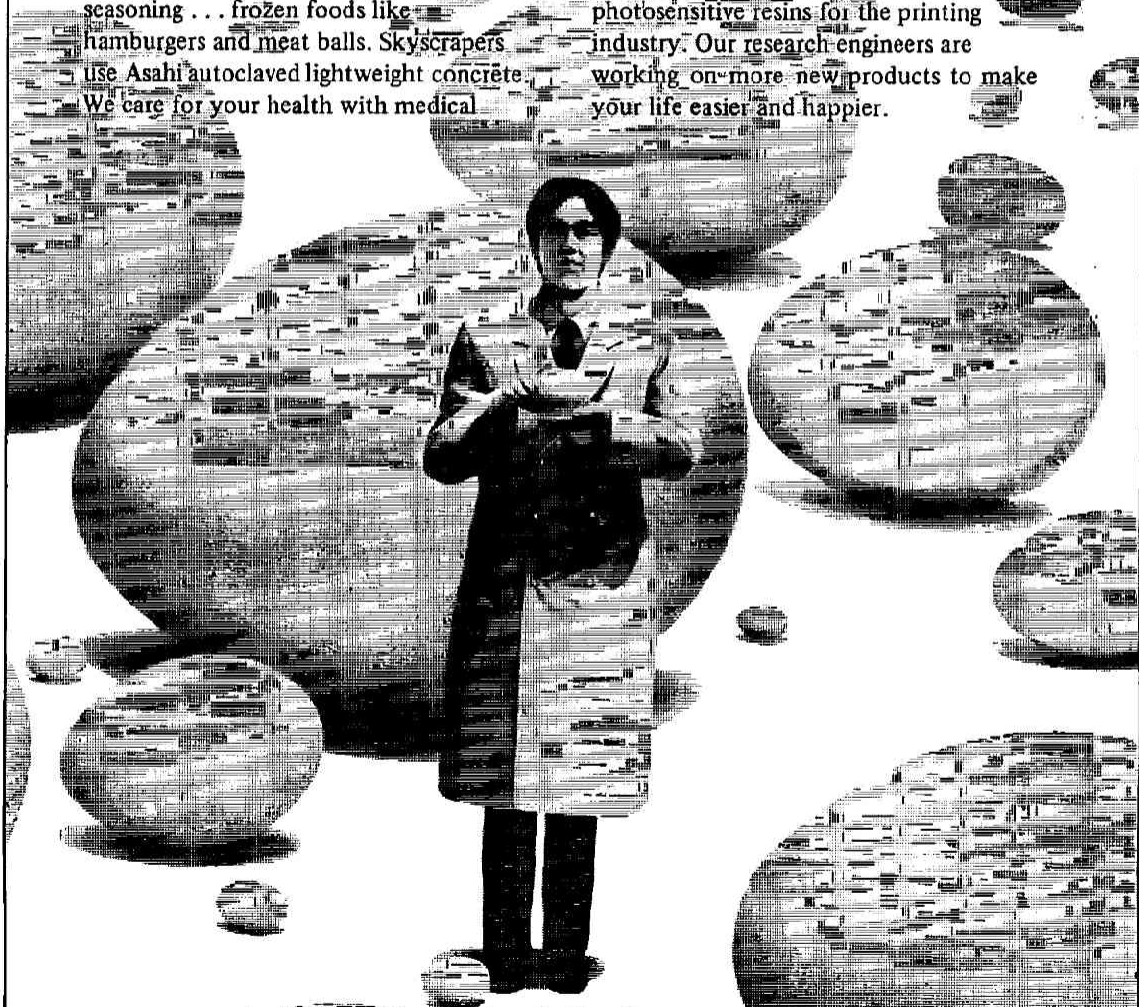
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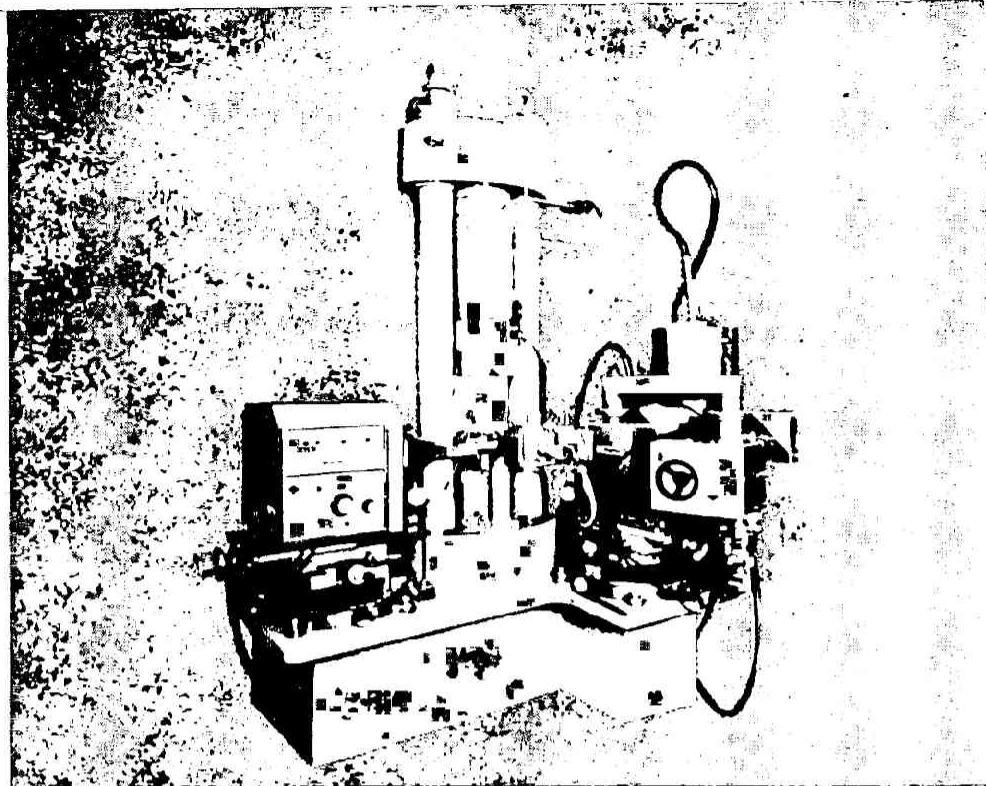
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Working pressure (kilobars)	100	80	80	60
Working temperature (°C) (under the pressure above)	1,500	1,500	1,500	1,500
Dimensions of sample holder (mm)	6×6×6	10×10×10	15×15×15	20×20×20
Capacity of high pressure press (metric ton)	250	600	1,200	2,500
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
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