

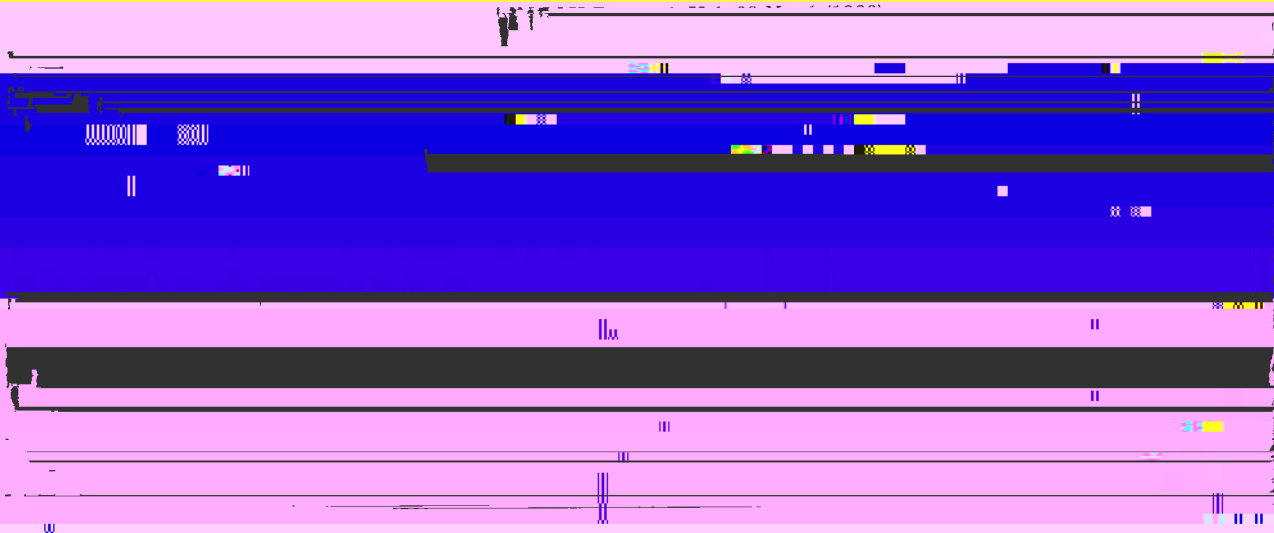
総 説

（以下は本文の大部分が黒塗りされているため、具体的な内容は不明です。）

山 林 浩 夫
降 夫

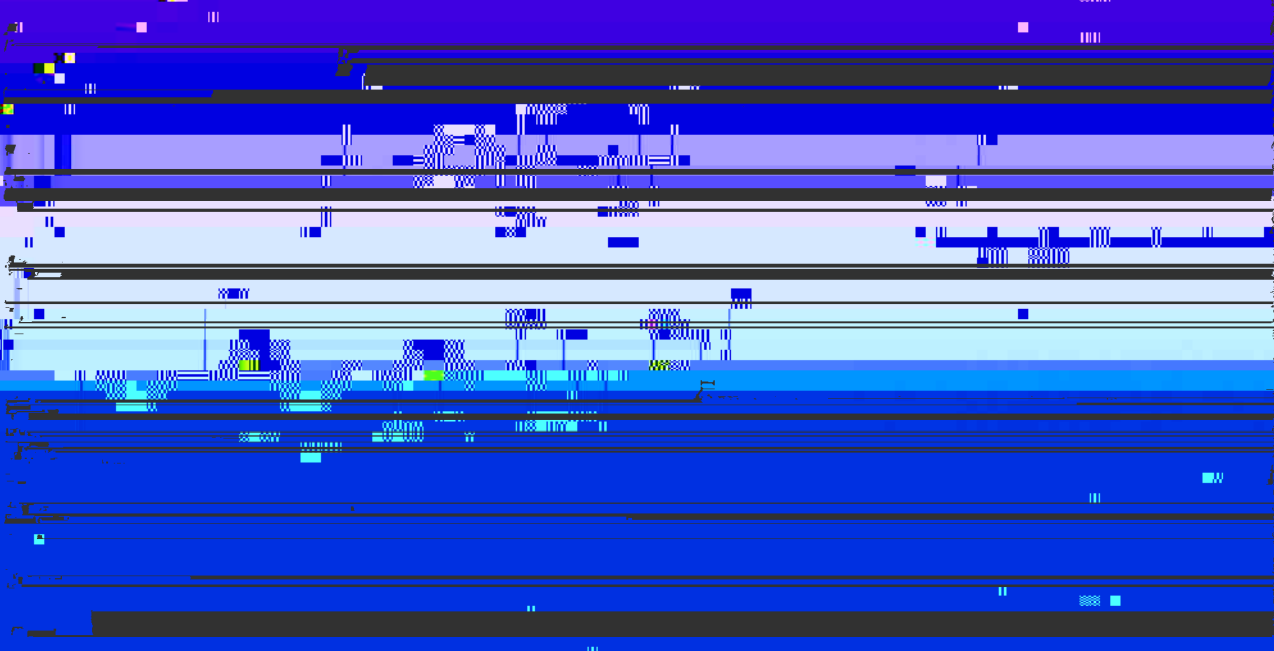
（以下は本文の大部分が黒塗りされているため、具体的な内容は不明です。）

（以下は本文の大部分が黒塗りされているため、具体的な内容は不明です。）



2 シリコン系半導体高分子

有機シリコン系半導体の構造的可能性について





Handwritten text in Japanese, likely a description or analysis of the chemical structure above. The text is partially obscured by horizontal lines and is difficult to read.

Me

Handwritten text in Japanese, continuing the description or analysis. It includes some chemical symbols and possibly a reaction scheme or structural formula.

Me



(7)

山形県立山形大学教育学部 山形県立山形大学教育学部

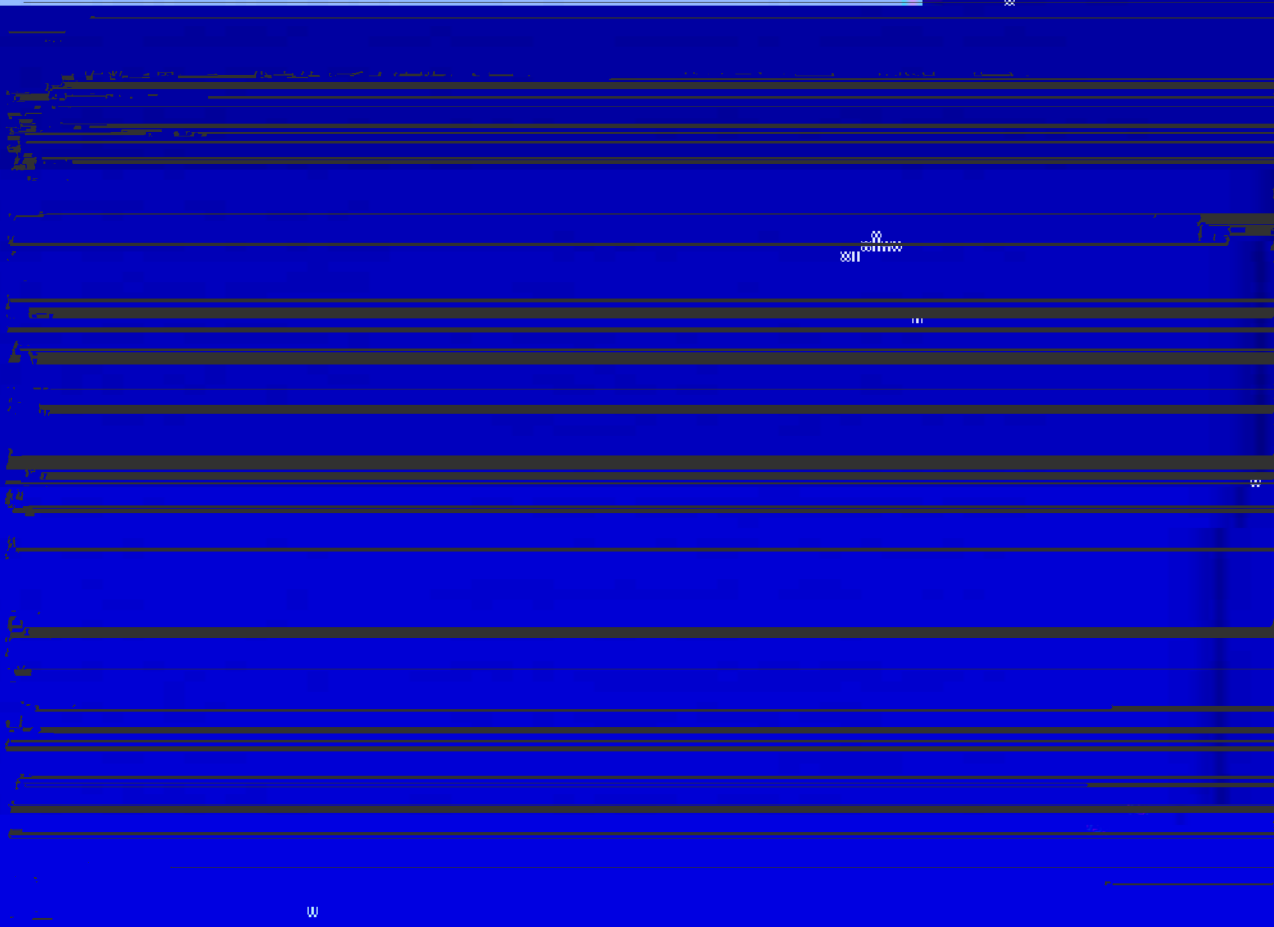
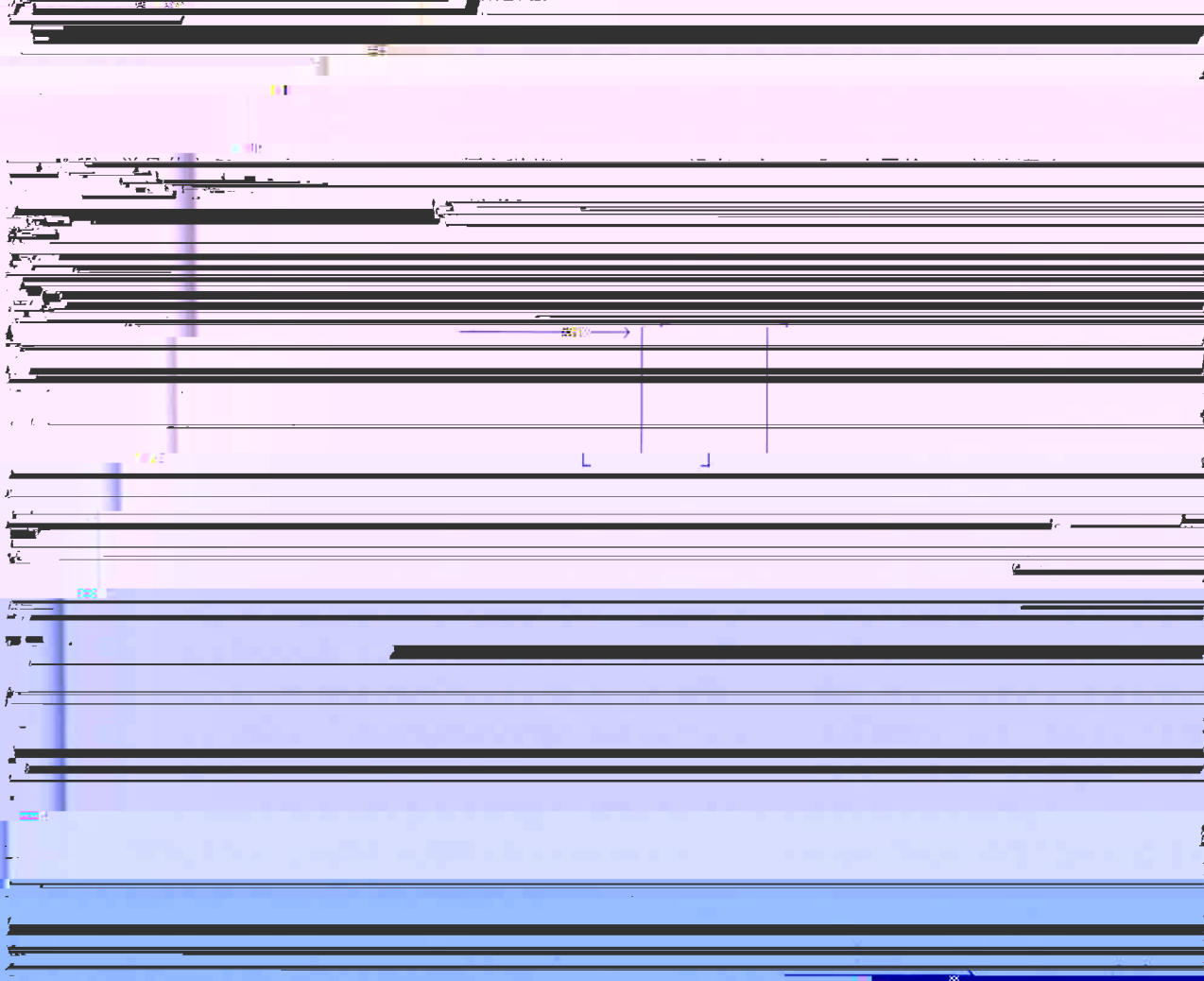
[The following section contains several lines of text that are almost entirely obscured by heavy black redaction bars.]

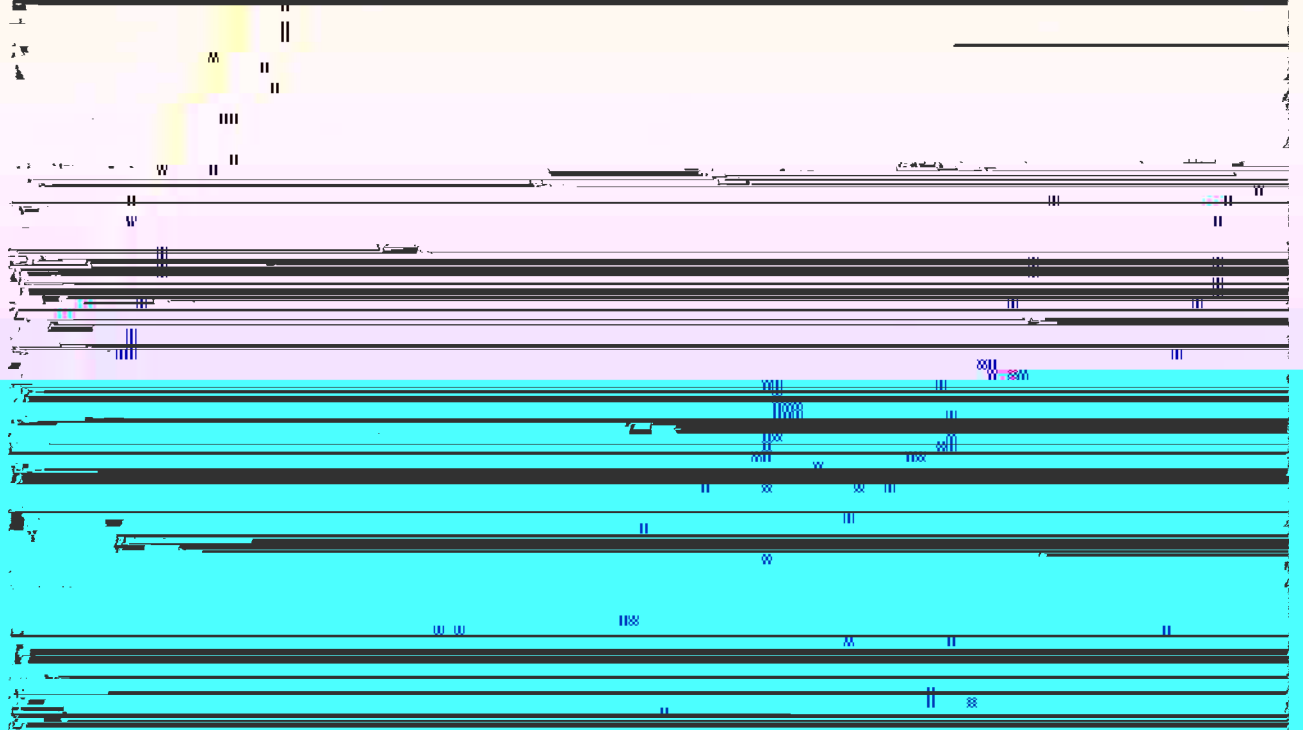
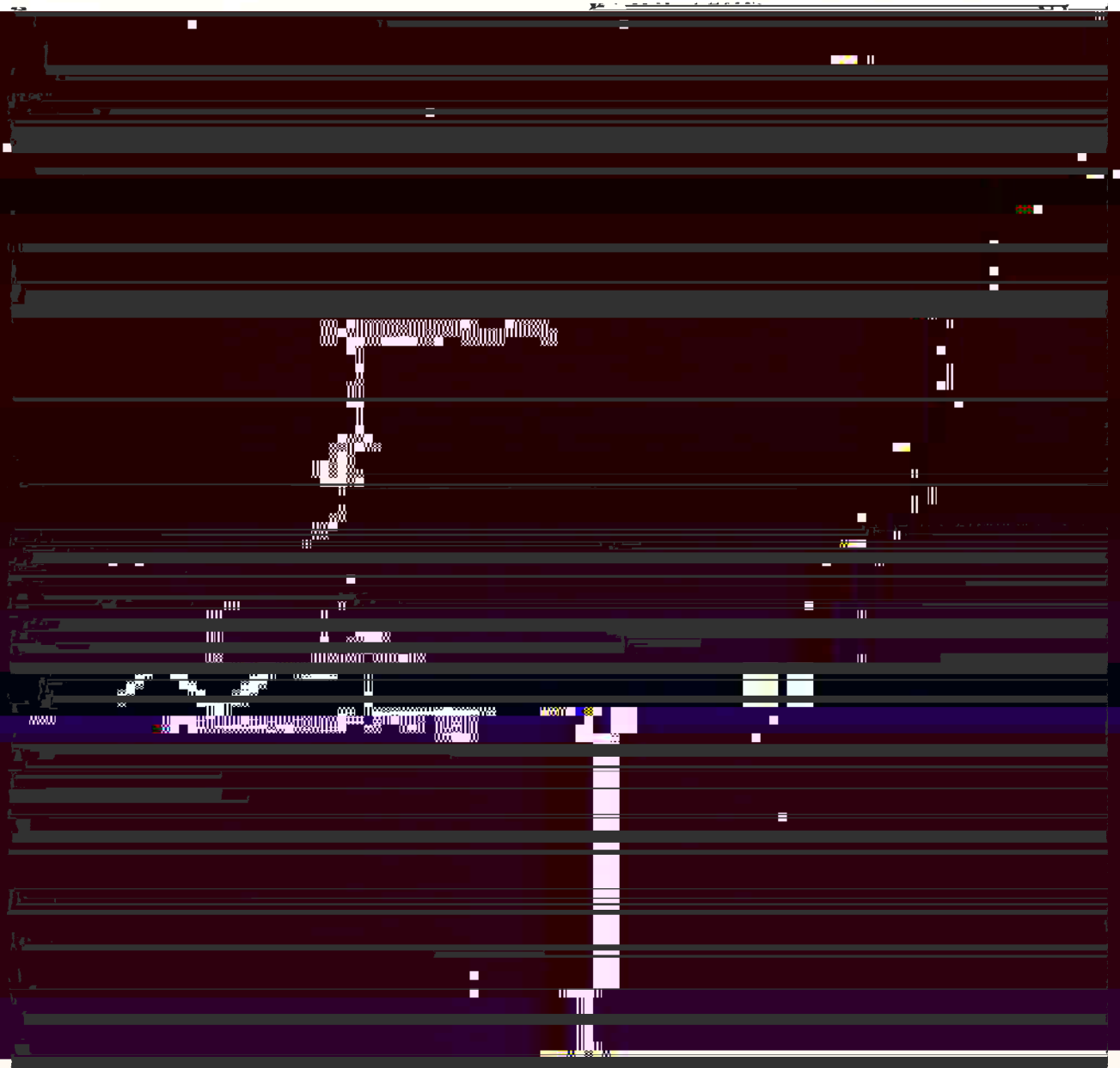
[This section contains a diagram or table with some visible symbols and numbers, including the letters 'W' and 'X', and some vertical lines.]

[This section contains several lines of text, mostly obscured by black redaction bars.]

[This section contains a diagram or table with various symbols, including 'W', 'X', and 'II', and some vertical lines.]

[The bottom section contains a few lines of text and symbols, including 'W' and 'X', and some vertical lines.]





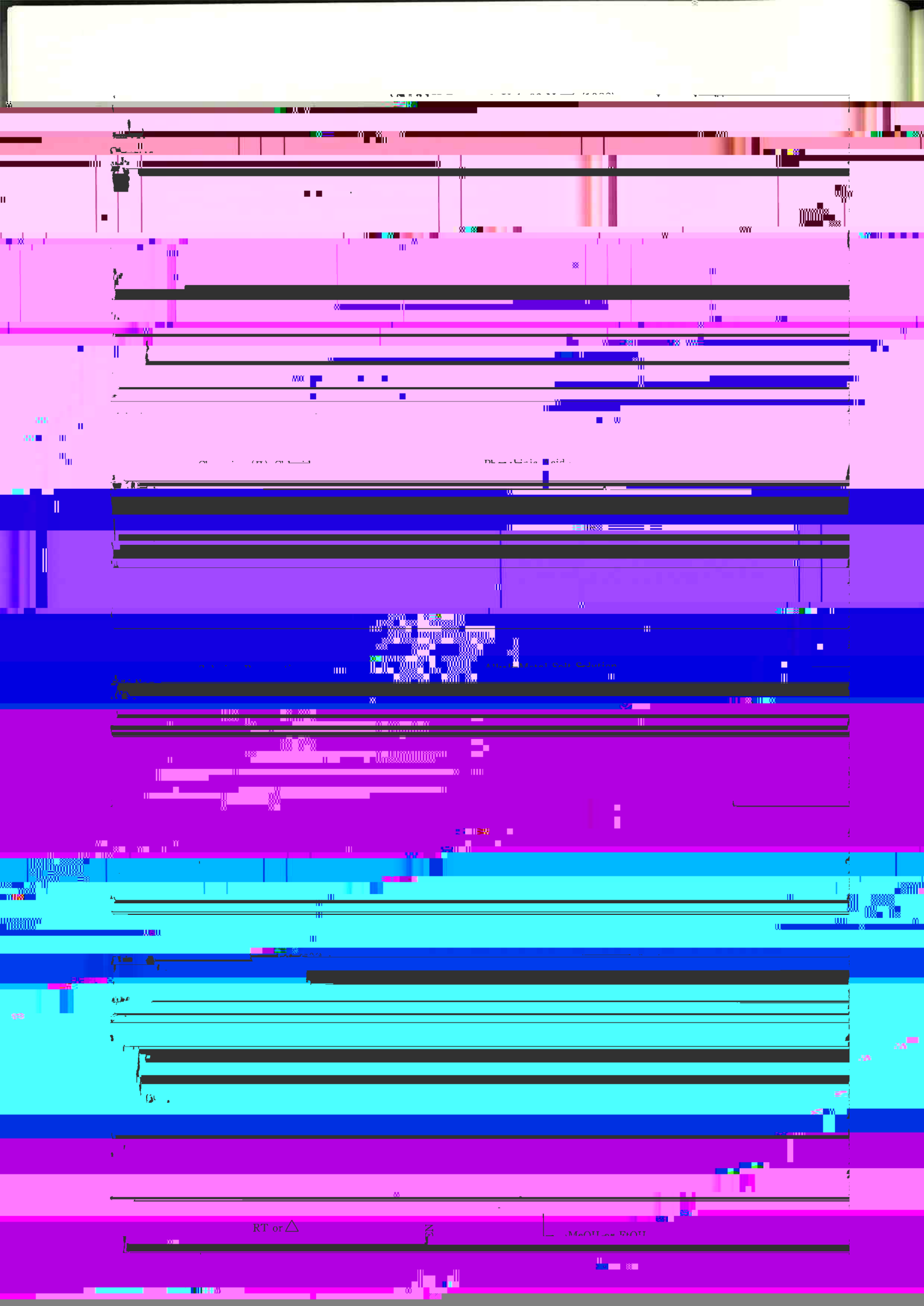
...the ... of the ...

...the ... of the ...

...the ... of the ...

...the ... of the ...

...the ... of the ...



年份	总人口	男	女	出生人口	死亡人口	自然增长率	迁入人口	迁出人口	净迁入人口
1999	10000	5000	5000	100	50	50	0	0	0
2000	10000	5000	5000	100	50	50	0	0	0
2001	10000	5000	5000	100	50	50	0	0	0
2002	10000	5000	5000	100	50	50	0	0	0
2003	10000	5000	5000	100	50	50	0	0	0
2004	10000	5000	5000	100	50	50	0	0	0
2005	10000	5000	5000	100	50	50	0	0	0
2006	10000	5000	5000	100	50	50	0	0	0
2007	10000	5000	5000	100	50	50	0	0	0
2008	10000	5000	5000	100	50	50	0	0	0
2009	10000	5000	5000	100	50	50	0	0	0
2010	10000	5000	5000	100	50	50	0	0	0
2011	10000	5000	5000	100	50	50	0	0	0
2012	10000	5000	5000	100	50	50	0	0	0
2013	10000	5000	5000	100	50	50	0	0	0
2014	10000	5000	5000	100	50	50	0	0	0
2015	10000	5000	5000	100	50	50	0	0	0
2016	10000	5000	5000	100	50	50	0	0	0
2017	10000	5000	5000	100	50	50	0	0	0
2018	10000	5000	5000	100	50	50	0	0	0
2019	10000	5000	5000	100	50	50	0	0	0
2020	10000	5000	5000	100	50	50	0	0	0

$j)_n (j+k=2)$ (Block et al, 1966, P. Nannelli et al, 1976)



DECOMPOSITION

年份	总人口	男	女	出生人口	死亡人口	自然增长率	迁入人口	迁出人口	净迁入人口
2021	10000	5000	5000	100	50	50	0	0	0
2022	10000	5000	5000	100	50	50	0	0	0
2023	10000	5000	5000	100	50	50	0	0	0
2024	10000	5000	5000	100	50	50	0	0	0
2025	10000	5000	5000	100	50	50	0	0	0
2026	10000	5000	5000	100	50	50	0	0	0
2027	10000	5000	5000	100	50	50	0	0	0
2028	10000	5000	5000	100	50	50	0	0	0
2029	10000	5000	5000	100	50	50	0	0	0
2030	10000	5000	5000	100	50	50	0	0	0

11

12

13 (A) *I. A. Adnan and C. T. Katalom Dalam Sci*

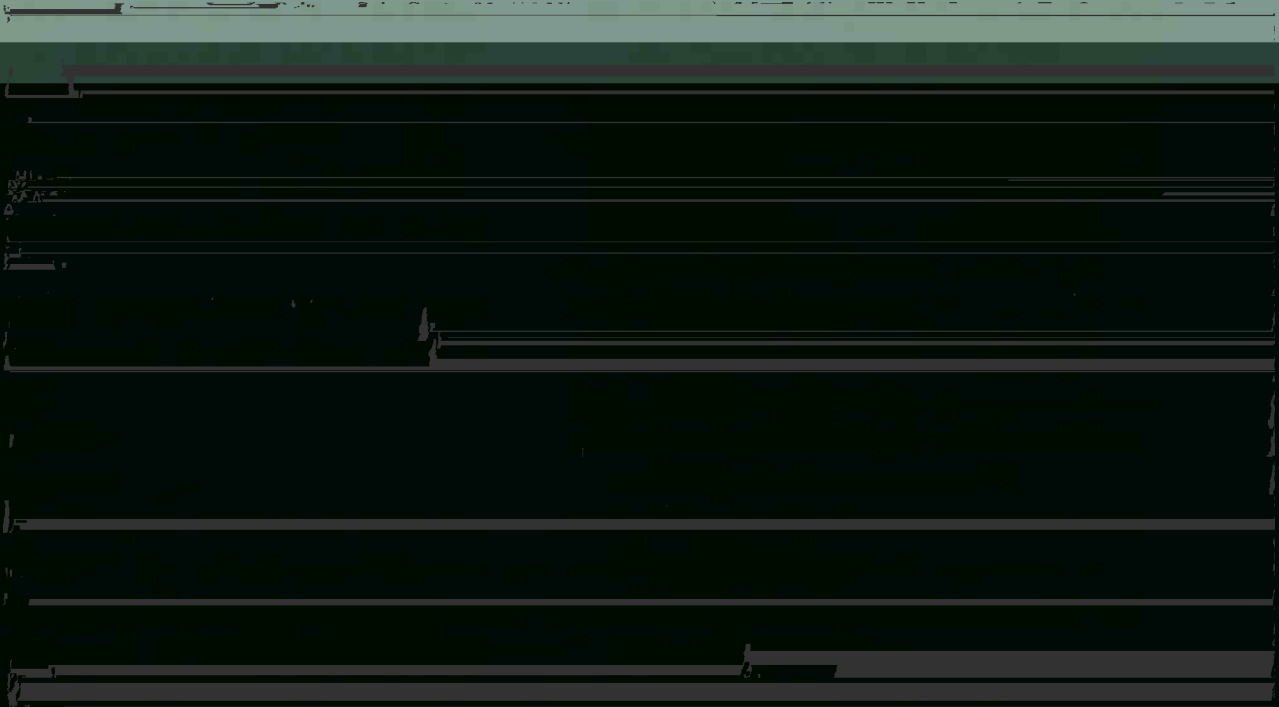
14

15

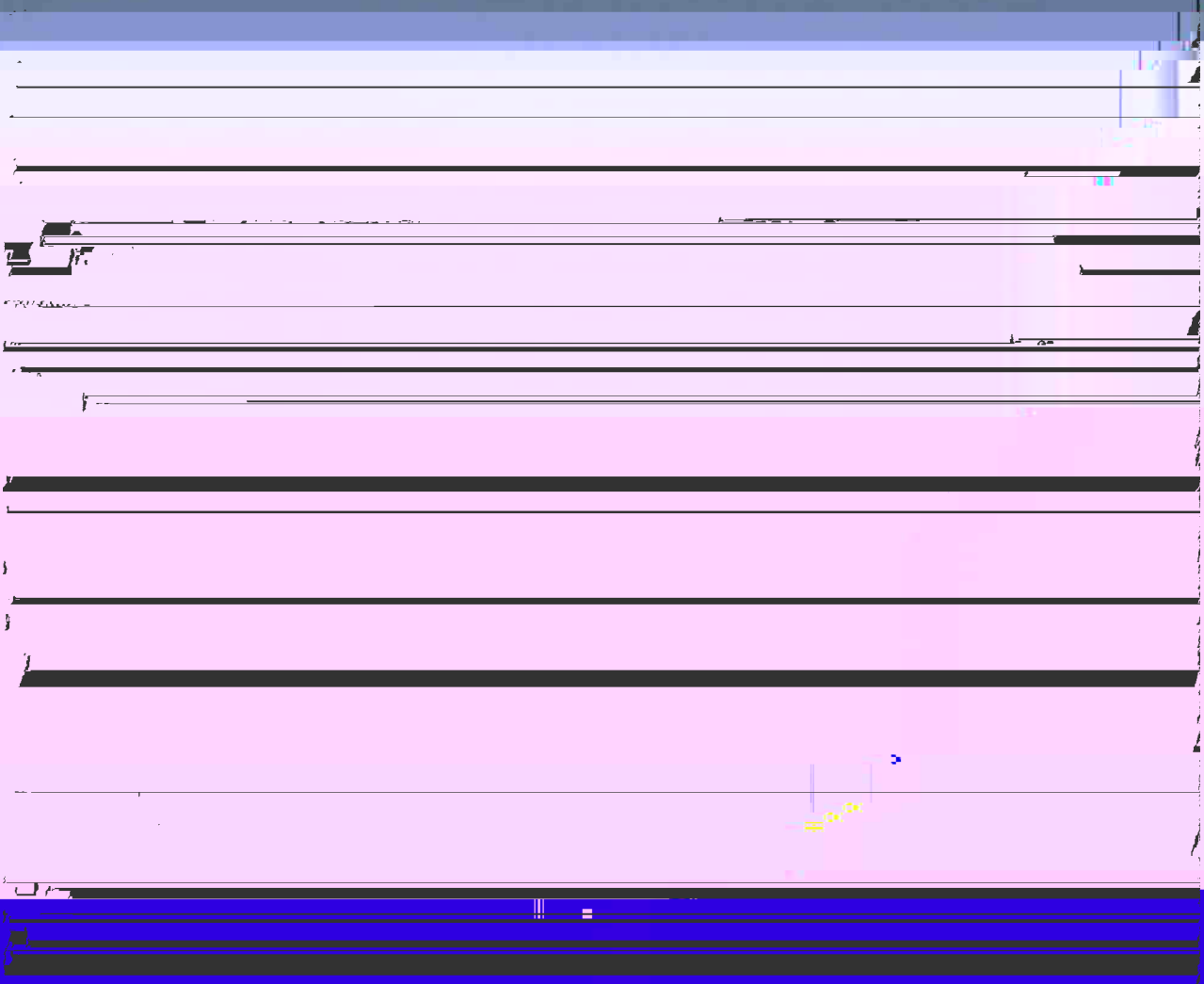
16

17

18



7



10



[Redacted]

[Redacted]

[Redacted]

[Redacted]

[Redacted]

[Redacted]

[Redacted]

[Redacted]

[Redacted]

[Redacted]

[Redacted]

[Redacted]

[Redacted]

[Redacted]

[Redacted]

[Redacted]

[Redacted]

[Redacted]

[Redacted]

[Redacted]

[Redacted]

[Redacted]

[Redacted]

[Redacted]

[Redacted]

氏名 山川 浩 氏名 林 隆夫

Yoshiaki YAMAZAKAWA Takao HAYASHI

入社 昭和59年4月2日 入社 昭和46年7月7日
所属 研究本部化学研究所 所属 研究本部化学研究所

ゴム研究室 ゴム研究室
主任研究員