SUPPLEMENTAL REPORT ON ALGEBRAIC GEOMETRY

Selected Topics in Algebraic Geometry, II, Bulletin of the National Research
Council, Number 96. Supplemental Report of the Committee on Rational
Transformations, Virgil Snyder, Chairman. Published by the National
Research Council of the National Academy of Sciences, Washington,
D. C., November, 1934. 84 pp.

Bulletin number 96 supplements and brings up to date the original report
of the Committee on Rational Transformations entitled, *Selected Topics in
Algebraic Geometry*, Bulletin of the National Research Council, Number 63.*
That report was so excellent and filled such a pressing need that the Committee
was requested by the Council to compile a supplemental report to cover the
decade following the period included in the original.

The work of preparing this supplemental report is largely that of the Chair-
man of the Committee, Virgil Snyder, assisted by Dr. Amos H. Black and Dr.
Leaman A. Dye.

The form of this report is similar to that of the original. The discussion is
contained in six independent sections, called chapters, of which four are written
by Snyder and one each by Black and Dye.

Neither this nor the original report is intended to cover completely the field
of algebraic geometry. The title *Selected Topics in Algebraic Geometry* suggests
this clearly. Also, as the name of the Committee indicates, the reports are
built around the rational transformation. Although the scope of the report is
wider than the Committee originally planned, it is still definitely and inten-
tionally limited.

The original report deals with seventeen topics and the supplemental re-
port contains only six. This reduction in the number of topics is due both to
omission and concentration.

As stated in the preface, since the recent article, *Algebraische Transforma-
tionen und Korrespondenzen*, by Berzolari in the Encyklopädie der mathe-
matischen Wissenschaften has so nearly covered the work of the past decade
in the transcendental theory and the mapping of algebraic surfaces, these
topics are purposely omitted in this supplemental report. The topics omitted
are treated in the original report in Chapters 12, 13, 15, 16, 17.

Evidently there was no attempt to relate definitely the material of the re-
maining twelve chapters of the original to that of the six chapters of the present
report. However, this presents no real difficulty, as the subject matter of each
chapter is well described in the contents of that report. The supplemental re-
port also treats some subjects not included in the original.

In the supplemental report, the stated contents of the first and sixth chap-
ters indicate an unsystematic arrangement in the treatment of ruled surfaces
that does not actually occur. The title of the first chapter should be simply
Curves, since, in that chapter, ruled surfaces are treated very briefly and only

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* For a review of Bulletin No. 63, see this Bulletin, vol. 38 (1932), pp. 7–11.