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ment systems, Chemical analysis, Radiochemistry,
Rock salt, *Natural radioactivity.

(Nuclear Physics--Radioactivity, TT, v. 10, no. 7)

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DESCRIPTORS: *Lungs, *Cancer, Therapy.

(Biological Sciences--Pathology, TT, v. 8, no. 6)

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TRACE AMOUNTS OF THESE METALS IN URANIUM.
(18p) 26c/s
Order from SLA \$1.60

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MICRODETERMINATIONS. 21 Aug 62 [8]p. 5 refs.
Order from SLA \$1.10 62-18998

Trans. of Mikrokhim[ica] Acta (Austria) 1961 [no. 5]
p. 811-816.

DESCRIPTORS: *Gas analysis, Gases,
*Microdetermination.

A universally applicable apparatus for gasometric
determinations is proposed, based on mathematically
derived construction parameters. Several basic re-
quirements, such as minimum dead space, minimum
number of ground joints, good temperature constancy,
and independence of the operating procedure of
barometric pressure, are satisfied to an outstanding
extent by the apparatus specified. Its universal
applicability was tested by a series of different
determinations. The absolute error does not exceed
 $\pm 0.5\%$. (Author)

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ORANGE: RAPID DETERMINATION OF TRACES OF
IRON IN URANIUM. [1962] 7p. (figs. omitted) 7 refs.
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(West Germany) 1962, v. 188, no. 4, p. 266-272.

DESCRIPTORS: *Uranium, *Iron, Chemical reactions,
Spectrographic analysis, *Phenols, *Methyl radicals,
*Tracer studies, Chemical analysis, Spectrophotome-
ters, *Dyes.

The formation conditions of the complex of UO_2^{2+} and
 Fe^{3+} with xylencolorange were found, the composition
of the resulting complex determined, and the stability
constant calculated. On the basis of the observed re-
(Chemistry--Analytical, TT, v. 10, no. 3) (over)

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II. Title: Rapid ...

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Order from SLA \$1.60 62-18994

Trans. of [Sbornik Chekhoslovatskykh Khimicheskikh Rabot] 1959, v. 24, p. 2948-2953.

DESCRIPTORS: *Hydrogen, *Hydrogenation, Gases, Quantitative analysis, Manometers, Volumetric analysis, Organic compounds,

An improved universal apparatus for gas-volumetric determinations is described. The apparatus has been used successfully for the semimicrodetermination of active hydrogen by means of LiAlH_4 or CH_3MgI , and for quantitative hydrogenation on palladium, platinum, or Raney nickel. (Author)
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Problems of Analytical Determination of C:C
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Metod Opredeleniya Medii). 6p, 4 refs. CID-65-676.
Order from ETC or CID: \$1.10 as TT-65-27556

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European Translations Centre

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Separation of Strontium From Calcium by Ion-Exchange
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H. Krasnobayeva, 6 pp.

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Budiloff, Nikolai.

METHOD FOR THE PRODUCTION OF USEFUL
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Gegenstände). [1962][6]p. (foreign text included).
Order from OTS or SLA \$1.10 62-18480

Trans. of German patent 643,301, 5 Apr 37, cl. 75b,
gr. 2, S 114031 IVc/75b, main patent initiated
1 July 32, pat. from 18 May 34, pub. 11 Mar 37, suppl.
to patent 607,012, by Siemens and Halske A. G.

DESCRIPTORS: Material, *Photographic film, Photo-
graphic plates, *Metal films, *Aluminium, Photo-
graphic emulsions.

Method for the production of useful objects with the aid
of oxide films on aluminum is described. It allows
supports for photo-sensitive materials embedded in the
oxide film without a bonding medium. The silver image
(Materials--Photographic, TT, v. 9, no. 2) (over)

62-18480

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Gamma-Radiation Effect Upon DNA Synthesis in
Isolated Nuclei of Thymocytes
By E. V. Budilova pp. 6

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Disaggregation by Ionizing Radiation in Deoxy-
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INCORPORATION OF FORMATE- C^{14} AND ADENINE- C^{14} ~~IN~~
INTO NITROGEN DNA BASES OF ISOLATED NUCLEI, BY YE.
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JPRS 12387

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Sci - Biology, Chem

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Problems of Mechanization and Automation in the
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CZECH, per, Rudy, Vol IX, No 8, 1962, pp 254-258.

JPRS 15861

EBar - Czech
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Nov 62

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3 pp.

CZECH, per, Literarni Noviny, No 13, Prague,
29 Mar 1958, p 8.

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Production and Use of Molecular Sieves in the
USSR, by A. V. Agafonov, M. M. Budin,
B. A. Onuseitis, et al.

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