

M. I. Shor's Criticism of the Paper Entitled
"Anomalous" and "Normal" Aging of Photographic
Emulsions, by V. L. Sheberstov, 4 pp.

RUSSIAN, per, Zhur Nauch i Prik Fotograf i
Kinematograf, Vol. V, No 1, 1960, pp 63, 64.

CIA/SDD XX-907

NOT RELEASABLE TO FOREIGN NATIONALS

NLL 01218

132,343

Sci - Phys
Nov 60

USIB INTERNAL USE ONLY

Finishing Photographic Emulsions (Review), by K. V. Chibisov, 18 pp.

RUSSIAN, per, Zhur Issuch i Prik Fotograf i Kinematograf Vol. V, 1960, pp 65-74.

CIA/FDD XX-975

NOT RELEASABLE TO FOREIGN NATIONALS

ALL INFORMATION CONTAINED HEREIN IS UNCLASSIFIED

141,280

Sci - Physics

Mar 61

USIB ONLY

also SLA 60-18876

Work of the All-Union Scientific Research
Institute of Chemical Reagents in the Field of
Developers, Optical Sensitizers, Desensitizers
and Intermediates for Their Synthesis, by G. I.
Mikhailov,

RUSSIAN, per; Zauch Nauch i Erik Fotograf i
Kinematog, Vol. V, No 1, 1960, pp 75-76.

CIA FDD XX-1012
NOT RELEASABLE TO FOREIGN NATIONALS

153, 820

Sci - Phys
Jan 61

USIB INTERNAL USE ONLY

Reciprocity of Time and Intensity of an Electron
Beam When BK- and MB- Type Photographic Plates
Are Exposed, by I. A. Fomina, K. S. Bogomolov.

RUSSIAN, per, Zhur Nauch i Prikl Fotografii i
Kinematografii, Vol V, 1962, pp 293-294.

ELL M 8937

Sci - Phys
May 63

229,126

Mechanism of Aging of Infrared Emulsions, by
A. S. Kheifman.

RUSSIAN, per, Zhur Nach 1. Prik Fotog Kinesmatog,
Vol 7, No 4, 1950, pp 297-298.

MLL M 6967

Sm. 8 Days
Apr 63

226,972

on the Optical Frame Frequency
for High Speed Cinematography, by V. I. Lavrent'ev,
S. P. Podval'nyi.

Reproduction of Continuous Tones in Electro-
photography, by Yu. A. Zibusa, L. I. Ryunko.

RUSSIAN, par, Zhur Bluch i Prikl Fotografii i
Kinematografii, Vol V, No 5, 1950, pp 352-355.

RLA M 8964

Sci - Phys
May 63

229,129

Silver Chlorobromide Photographic Emulsions
With Grains Having a Laminated Structure, by
Yu. G. Prokhot'skiy, Yu. B. Vilenskiy.

RUSSIAN, per, Zhur Nauch i Prikl Fotograf
Kinematog, Vol V, No 5, 1960, pp 363-364.

N.L. M 8969

Sci - Phys
Apr 63

Topographic Distribution of the Primary Photo-
graphic Process in Emulsion Grain, by K.
Ondreichik, 5 pp..

RUSSIAN, per, Zhur Nauch i Prikl Fotograf i
Kineematograf, Vol V, No 2, 1960, pp 81-83.

CIA/PDD XX-906
NOT RELEASABLE TO FOREIGN NATIONALS

Sci - Phys
Nov 60

132,341

OSIB INTERNAL USE ONLY

NEL 11.2.60

01052A 60-15176

Kinetics of Development of Positive Color Film at
Various Temperatures, by H. I. Merilov, L. P.
Lysenko, 9 pp.

RUSSIAN, per, Zhurn Nauch i Prikl Foto Kinesmatograf,
Vol 5, No 2, 1960, pp 84-89.

CIA/PID XI -971

NLL 10/1/61

Sci - Physics

Mar 61

USIB ONLY

also SLA 60-18871

NOT RELEASABLE TO
FOREIGN NATIONALS

141,276

Non-Linear Color-Separation Correction by Means of
Intensifying Negative Masks, by L. F. Artyushin, 11 pp,
10 pp.

RUSSIAN, per, Zhur Nauch i Prik Fotograf i Kinematog,
Vol IV, No 3, 1959, pp 202-209; Vol V, No 2, 1960,
pp 101-107.

CIA/PDD KK-1050

NOT RELEASABLE TO FOREIGN NATIONALS

Sci - Phys

Sep 61

166,454

OTS-61-20209

Comparison of Artificial Sunlight Filters Used For
Sensitometric Testing, by S. S. Mlev, E. M.
Shipilova, 4 pp.

RUSSIAN, per, Zhur Nauch i Prikl Fotograf i Kinesmatograf
Vol V, No 2, 1960, pp 98-100.

Sci - Physics
Mar 61
~~USIS ONLY~~

~~CIA/EOB XX-972
NOT RELEASABLE TO
FOREIGN NATIONALS~~

OTS 61-17282-1, 277

Resolving Power of an Emulsion as a Function of
the Concentration of Silver Halide and the Nature
of the Developing Agent, by I. M. Kilinskiy, A. N.
Yordanskiy, 8 pp.

RUSSIAN, part, Zhur Nauch i Prik Fotograf 1
Kinematograf, Vol V, No 2, 1960, pp 108-113.

NLI M. 2642
CIA/FDE XX-905

NOT RELEASABLE TO FOREIGN NATIONALS

Sci - Phys
Nov 60

132, 342

USEB INTERNAL USE ONLY

also SIA 60-18569

Principles of Automation of Stereophotogrammetric
Processing of Aerial Photographs, by N. F. Orelkin,
15 pp.

RUSSIAN, per, Zhur Nauch i Prikl Fotograf i
Kinematograf, Vol V, No 2, 1960, pp 114-122.

CIA/FDD XX-904

NOT RELEASABLE TO FOREIGN NATIONALS

NLI 7 2 73

132, 340

Sci - Phys

Nov 60

USIB INTERNAL USE ONLY

also 24 60-15-64

A Photographic Method for ~~Studying~~ Studying the Light
Spectrum of Radiant Energy, by V. N. Adrianov, G. L.
Solov'ev,

~~RUSSIAN~~ Zhur Nauch i Prikl Fotograf i
Fotograf, Vol. V, No 2, 1960, pp 125-132.

CIA FDD XI-1017

NOT RELEASABLE TO FOREIGN NATIONALS

Sci - Phys
Gen Sci

153 100

USE INTERNAL USE ONLY

High-Speed Cinematography for Investigating Processes
in Liquids by Ultrasonics, by S. R. Zhukovskiy, V. F.
Kazantsev, L. O. Makarov,

RUSSIAN, per, Zhur Nauch i Prik Fotograf i
Kineematog, Vol. V, No 2, 1960, pp 133-140.

CIA FDD XX-1013

NOT RELEASABLE TO FOREIGN NATIONALS

Sci - Phys

Jan 61

USIE INTERNAL USE ONLY

153,821

Relation Between the Shape of the Spectral
Sensitivity Curve and Emulsion Factors, by P. V.
Meyklyan, 2 pp.

RUSSIAN, per Zhur Nauch i Prikl Fotograf i
Kinematog, Vol V, No 2, 1960, pp 141-142.

CIA/PDD XR-1029

NOT RELEASABLE TO FOREIGN NATIONALS

Sci - Phys

Jul 61

USIB INTERNAL USE ONLY

Samolovitch, D. M., Barinova, E. S. and others.
INCREASING THE SPEED AND COMPENSATING THE
DEVELOPMENT OF TYPE-R EMULSION MOUNTED
ON THE SUPPORT. (1961) [3]p. 3 refs.
Order from OTS or SLA \$1.10

61-18764

Trans. of Zhurnal Nauchnoi i Prikladnoi Fotografii i
Kinematografii (USSR) 1960, v. 5, no. 2, p. 142-143.

DESCRIPTORS: *Photographic emulsions, Photographic
chemicals, High speed photography, Processing.

In order to equalize the development in the depth of the
layer, as well as to increase the emulsion speed to the
same level as obtained with the emulsion developed
without support, alkali solutions were added to the
emulsion before the coating to increase the pH to
6.5-6.7. Uniformity of tracks in the depth of the
emulsion layer was entirely satisfactory. The emulsion
(Materials--Photographic, TT, v. 6, no. 9) (over)

61-18764

I. Samolovitch, D. M.
II. Barinova, E. S.

185483

Office of Technical Services

Determination of Chemical Elements in Nuclear
Photographic Emulsions, by M. F. Rodicheva, 3 pp.

RUSSIAN, per, Zhur Nauch i Prik Fotograf i Kinematograf,
Vol V, No 2, 1960, pp 144-.

CIA/FDD XX-903

NOT RELEASABLE TO FOREIGN NATIONALS

ALL INFORMATION

Sci - Phys

Nov 60

USIB INTERNAL USE ONLY

Lead-Silver Salt Nuclear Emulsions, by N. R.
Kovikova, 2 pp.

RUSSIAN, per, *Zhurn Nauch i Prikl Fotograf i Kinematograf*,
Vol V, No 2, 1950, pp 145-146.

CIA/PID XX-970

Sci - Physics
Mar 60

NOFORN

61-10324

Ietomin, G. A.
CONTRAST FUNCTION OF AN ABERRATIONLESS
LENS AND THE PROPERTIES OF THE REAL LENS-
LIGHT SENSITIVE EMULSION SYSTEM. [1961] 3p.
5 refs.

I. Ietomin, G. A.

Order from OTS or SLA \$1.10 61-10324

Trans. of Zhurnal Nauchnoy i Prikladnoy Fotografii i
Kineematografii (USSR) 1960, v. 5, no. 2, p. 146-147.

161586

DESCRIPTORS: *Lenses; Optics; *Photographic
emulsions; Light; Scattering; Mathematical analysis.

Office of Technical Services

(Physics-Optics, TT, v. 6, no. 1)

Fourier Integral Used for Investigating the Optical
and Photographic Image Properties, Part II,
by A. T. Ashchayulov.

RUSSIAN, per, Zhur Prikl Fotografii i Kinematografii,
Vol V, No 2, 1960, pp 148-157.

ILL M. 3077

Sci - Phys

Feb 62

186,738

International Standardization of Sensitom Etry,
by I. A. Chernyy, 4 pp.

RUSSIAN, per, Zhur Nauch i Prik Fotografii i
Kinematografii, Vol V, No 2, 1960, pp 158, 159.

SIA 60-18867

Sci

Apr 61

NLL 07.2414

146,095

Fluctuations in the Density of Charged Particle
Tracks in Nuclear Emulsions, by K. S. Bogomolov,

RUSSIAN, per Zhur Nauch i Prikl Fotograf i
Kineematog, Vol V, No 2, 1960, pp 168-172.

CIA FDD XX-1014

NOT RELEASABLE TO FOREIGN NATIONALS

Eci - Nuc Phys

Jun 61

NSIB EX INTERNAL USE ONLY

153, 823

Polarization Absorption Spectra of Some Cyanine
Sensitizing Dyes, by K. S. Lyalikov, I. V.
Semenchenko, 11 pp.

RUSSIAN, per Zhur Nauch i Prikl Fotog i Kinematog,
Vol V, No 3, 1960, pp 161-167.

CIA/FDD XX-1099

NOT RELEASABLE TO FOREIGN NATIONALS

Sci - Chem

Jan 62

USIB INTERNAL USE ONLY

178, 410

CEA-tr-R-1342 Uncl.

FLUCTUATIONS DE LA COMPACTITÉ DES TRACE
PRODUITES PAR DES PARTICULES CHARGÉES DANS LES
ÉMULSIONS NUCLÉAIRES. (Variations in the
Compactness of Product Tracks from Charged
Particles in Nuclear Emulsions). K. S.
Bogomolov. Translated into French from Zhur.
Nauch. i Priklad. Fot. i Kinematografii 5: No.3,
168-72(1960). 17p. 9093547

Instrumentation; Particle Physics; Translations
MC-37

C-37 NP NSA Dep.(mc).
N-3

61-20071

Sheberstov, V. I.
INVESTIGATION OF THE THERMAL RELATION-
SHIPS OF PHOTOGRAPHIC DEVELOPMENT. V. SOME
METHODOLOGICAL PROBLEMS OF DETERMINATION OF
THE DEVELOPMENT ACTIVATION ENERGY OF
PHOTOGRAPHIC EMULSIONS. [1961] 15p. 15 refs.
Order from OTS or SLA \$1.60 61-20071

I. Sheberstov, V. I.
II. Title: Some ...

Trans. of Zhurnal Nauchnoi i Prikladnoi Fotografii i
Kinematografii (USSR) 1960, v. 5, no. 3, p. 173-182.

DESCRIPTORS: Photographic emulsions, Chemical
reactions, Molecules, Silver compounds, Halides, Dif-
fusion, Particles, Oxidation, Reduction.

(See also 61-18311)

(Materials--Photographic, TT, v. 7, no. 7)

Office of Technical Services

Preventing Color Distortions During Internal Masking
in Multilayer Color Films, by Yu. B. Vilenskiy,
Chen' Kaun-Min, L. F. Patrikeyeva, 5 pp.

RUSSIAN, per, Zhur Nauch i Prik Fotograf i
Kinematog, Vol V, No 3, 1960, pp 183-186.

CIA/FDD XX-1051

NOT RELEASABLE TO FOREIGN NATIONALS

Sci - Phys

Sep 61

USIB INTERNAL USE ONLY

Handwritten:
OT 5-61-20010
01(63-14713)
167,003

61-20062

Vicek, B. and Vlickova, S.
DIFFUSION OF SENSITIZING DYES IN GELATIN.

[1961] 10p. 7 refs.

Order from SLA \$1.10

61-20062

I. Vicek, B.

II. Vlickova, S.

Trans. of Zhurnal Nauchnoi i Prikladnoi Fotografii i
Kinematografii (USSR) 1960, v. 5, no. 3, p. 187-194
(original article in Czechoslovakian).

DESCRIPTORS: *Gelatin, *Dyes, Diffusion,
Sensitivity, Silver compounds, Bromides, Adsorption.

A simple method is presented for measuring the dif-
fusion of sensitizing dyes in gelatin. It is confirmed
that the Fick diffusion law is fulfilled in the case of
twelve sensitizing dyes. Therefore, substantial dif-
ferences were established for coefficients of diffusion.
The effect of surface-active agents and couplers on
the diffusion of sensitizing dyes and the relationship
(Chemistry--Physical), IT, v. 7, no. 1) (over)

Office of Technical Services

61-18672

Golovin, B. M., Zheludev, I. S. and others.
ELECTROPHOTOGRAPHY OF PROTON BEAMS. [1961]
3p. 2 refs.

Order from OTS or SLA \$1.10

61-18672

Trans. of Journal Nauchnoi i Prikladnoi Fotografii i
Kinematografii (USSR) 1960, v. 5, no. 3, p. 207-208.

DESCRIPTORS: *Electrophotography, *Proton beams,
Photographic emulsions, Intensity, Collimators,
Optical images, Zinc compounds, Oxides.

The speed of various electrophotographic emulsions
relative to fast protons was investigated. Electro-
photographic images are shown of a proton beam ob-
tained on a ZnO layer at various degrees of divergence
of the beam axis from the collimator.

(Nuclear Physics and Nuclear Chemistry, TT, v. 6, no. 9)

I. Golovin, B. M.
II. Zheludev, I. S.

*ALL INFORMATION CONTAINED
HEREIN IS UNCLASSIFIED*

185468

Office of Technical Services

61-20227

Novikov, I. A. and Tsyrlina, B. B.
CHANGES IN THE PHOTOGRAPHIC PROPERTIES AND
RESOLVING POWER OF VERY FINELY DISPERSED
EMULSIONS DURING FINISHING. [1961] 3p. 6 refs.
Order from OTS or SLA \$1.10 61-20227

I. Novikov, I. A.
II. Tsyrlina, B. B.

Trans. of Zhurnal Nauchnoi i Prikladnoi Fotografii i
Kinematografii (USSR) 1960, v. 5, no. 3, p. 218-219.

DESCRIPTORS: *Photographic emulsions, Photographic
equipment, Silver compounds, Halides, Photographic
chemicals.

201431

(Materials--Photographic, TT, v. 7, no. 8)

Office of Technical Services

Relationship Between the Speed and the Photoelectric
Sensitivity of a Photographic Emulsion, by L. G.
Gross, 3 pp.

RUSSIAN, per, Zhurn Nauch i Prikl Fotograf i Kinematog.
Vol V, No 3, 1960, pp 219-220.

CIA/FDD XX-1026
NOT RELEASABLE TO FOREIGN NATIONALS

Sci - Phys

Jul 61

USE INTERNAL USE ONLY

161, 014

The Composition of K, Ya-2, and T-3 Nuclear
Emulsions by Elements, by M. P. Redicheva,

RUSSIAN, per, Zhur. Nauch i Prikl. Fotograf i
Kinematog, Vol V, No 3, 1960, p 221.

CIA WDD KR-1015
NOT RELEASABLE TO FOREIGN NATIONALS

Sci - Nuc Phys

Jan 61

USIB INTERNAL USE ONLY

153, 8/2/61

61-18673

I. Kartuzhanski, A. L.

Kartuzhanski, A. L.
QUANTITATIVE ESTIMATE OF THE CHARACTER-
ISTICS OF THE LATENT IMAGE FORMED BY ION-
IZING PARTICLES. [1961] 3p. 3 refs.
Order from OITS or SIA \$1.10 61-18673

Trans. of Zhurnal Nauchnoi i Prikladnoi Fotografii i
Kinematografii (USSR) 1960, v. 5, no. 3, p. 221-223.

DESCRIPTORS: Electron diffraction analysis, *Photo-
graphic emulsions, *Beta particles, Infrared images,
Optical images, Temperature, Ions, Ionization.

The relationship between the reciprocity effect and
temperature, which is of special importance for the
fading process, was investigated. Results showed that
the activation energy determined in the case of the ef-
fect of ionizing particles by the isodensity curves, can
be used as a measure of dispersion of the latent image.
(Materials-Photographic, TT, v. 6, no. 10)

Office of Technical Services

Graininess of the Photographic Image. I., by V. Roman
12 pp.

RUSSIAN, *pon*, *Anna Kuznitsa i Prilozheniya i Kinshtroy*
Vol V. No 3, 1960, pp 225-230.

CIA/PED 100-1084
NOT RELEASABLE TO FOREIGN NATIONALS

173,408

Sci. Phys

Nov 61

USCB INTERNAL USE ONLY

International Colloquium on the Science of Photography,
by K. V. Chibisov, 8 pp.

RUSSIAN, paper, Zhur Kuzh i Prikl Fotograf i Kinesatou.
Vol V, No 3, 1960, pp 234-238.

CIA/FDD XX-1021

NOT RELEASABLE TO FOREIGN NATIONALS

OTS 61-18309

Sci - Phys

Jul 61

161,010

USIB INTERNAL USE ONLY

Effect of the Developer Concentration on the Rapid Development Process II. Investigation of the Hydroquinone Developer, by V. A. Veydenbakh, P. I. Levina, 9 pp.

RUSSEMAN, per. Zhur Nauch Prilad Fotograf i Kinemat, Vol V, No 4, 1960, pp 241-246.

CIA/FED XI-1169

NOT RELEASABLE TO FOREIGN NATIONALS

Sci

ALL ID. 198, 438

May 62

ALL ID. 118900

USIB INTERNAL USE ONLY

Some Factors Affecting the Halation and Resolving
Power of Photographic Materials, by I. A. Novikov,
11 pp.

RUSSIAN per Zhur Nachl i Pril' Fotografii i
Kineematog, Vol. V, No 4, 1960, pp 247-254.

CIA/PED XX-1083

NOT RELEASABLE TO FOREIGN NATIONALS

Sci - Phys

173,407

Nov 61

OTS 61-20069

USIP INTERNAL USE ONLY

62-10978

I. Uspenski, A. N.

Uspenski, A. N.
RDTsB-1 RECORDING DENSITOMETER FOR COLOR
AND BLACK-AND-WHITE PHOTOGRAPHIC PAPERS.
[1962] 11p. 2 refs.
Order from OTS or SLA \$1.60

62-10978

Trans. of Zhurnal Nauchnoi i Prikladnoi Fotografii i
Kinematografii (USSR) 1960, v. 5, no. 4, p. 255-261.

DESCRIPTORS: *Density sensitive indicators, *Photo-
graphic paper, Color photography, Test equipment.

MLL 11 89 68

(Materials--Photographic, TT, v. 8, no. 5)

Office of Technical Services

(SC-6271)

Photography of Fluorescence in Reproduction
Techniques, by M. M. Kruskin, 12 pp.

RUSSIAN, per: Zhurn. Nauch. i Prikl. Fotograf. i
Kinematog., Vol. V, No 4, Jul/Aug 1960,
pp 274-279.

UFRS 8876

173,903

Sci - Phys
Nov 61

Stabilization Effect of Thiazolotetraoles and
Benzothia-Zolotetraoles on Silver Chloride Photo-
graphic Emulsions, by L. F. Avramenko, Yu. B.
Vilenstiy, L. K. Guseva, 2 pp.

RUSSIAN, per. Zhur Nauch i Prikl Fotograf i
Kinematog, Vol. V, No 4, 1960, pp 294-295.

CIA/FDD 88-1820

NOT RELEASABLE TO FOREIGN NATIONALS

Sci - Phys

711 414010

Jul 61

USIS INTERNAL USE ONLY

Reversing the Desensitizing Effect of Moisture
on Photographic Emulsions, by K. L. Vendrovskiy,
V. I. Shabarstov.

¹
IZVESTIYA, Ser. Zhur Nauch/Prik Fotog i Kineematog,
Vol 7, No 1, 1960, pp 295-296.

RLI N.4500

Sci - Phys

May 62

193,741

Mechanism of Aging of Infrared Emulsions, by
A. S. Kheininman.

RUSSIAN, per, Zhur Nauch i Prikl Fotog Kinematog,
Vol V, No 4, 1960, pp 297-298.

NLL M 8967

Sci & Phys
Apr 63

63-16714

Zimkin, E. A.
REMARKS IN CONNECTION WITH THE ARTICLE OF
A. L. KARPOVA CONCERNING THE PHYSICO-
CHEMICAL METHOD OF ANALYSIS OF THE ACTIVE
ADMIXTURES OF GELATINE (SCIENTIFIC DISCUS-
SION). [1963] 9p. 12 refs.
Order from GTS or SLA \$1.10

63-16714

Trans. of ~~[Zhurnal Nauknoi i Prikladnoi Fotografii i
Kinematografii]~~ (USSR) 1960, v. 5, no. 4, p. 299-301.

DESCRIPTORS: Gelatin, Photographic emulsions,
Electrolysis, Adsorption spectrum, Sodium com-
pounds, Thiosulfates, Thiourea, Sulfides, Silver com-
pounds, Dioxides, Sulfites, Nitrates, Dichromates.

I. Zimkin, E. A.
II. Karpova, A. L.

(Materials--Photographic, TT, v. 10, no. 9)

Office of Technical Services

Application of Bouguer Law to the Absorption of Light
by Silver Bromide Crystals, by S. G. Grenishin, L. S.
Nikolajevskiy, 6 pp.

RUSSIAN, per, Zhur Nauch Priklad Fotograf i Kinemat,
Vol 7, No 5, 1960, pp 327-330.

CIA/FOD XX-1170
NOT RELEASABLE TO FOREIGN NATIONALS

Sci

198,439

May 62

USIE INTERNAL USE ONLY

Investigation of Thermal Relationships of Photographic Development, by V. I. Sheberstov, M. S. Borodkina, V. P. Ionatova, VI. Reduction of Silver Bromide Sols and Silver Salts of Benzotriazole and 5-methyl-7-hydroxy-2,3,4-triazaindolizine, 5 pp.

RUSSIAN, per, Zhur Nauch i Prikl Fotograf i Kinematog, Vol V, No 5, 1960, pp 331-333.

CIA/TID EX-1031

NOT RELEASABLE TO FOREIGN NATIONALS

Sci - Phys

16/018

Jul 61

USIB INTERNAL USE ONLY

Effect of Developer Concentration on Fast Development, Part B. Investigation of Various Developers, by P. I. Astina, V. A. Veidenbalkh, 8 pp.

RUSSIAN, per, Zhur Nauch i Prikl Fotog i Kinetog, Vol V, No 5, 1950, pp 334-342.

CIA/FDD NO-1086

NOT RELEASABLE TO FOREIGN NATIONALS

Sci - Phys

173,405

Nov 61

AT/AT-2970

USIA INTERNAL USE ONLY

Reproduction of Continuous Traces in Electro-
photography, by Yu. A. Zibuts, L. I. Ryunko.

RUSSIAN, per, Zhur Nauch i Prikl Fotografii i
Kinematografii, Vol V, No 5, 1960, pp 352-355.

NLL M 8/64

Sci - Phys
May 63

Transformations of Impurity Centers At Accelerated
Aging of Photographic Emulsions, by R. A. Levitskaya,
Zh. I. Brown, 2 pp.

RUSSIAN, per, Zhur Nauch i Prik Fotograf i Kinematog,
Vol V, No 5, 1960, pp 361-363.

CIA/FDD XX-1191

NOT RELEASABLE TO FOREIGN NATIONALS

Sci - Phys

M.L.M 3965

Jun 62

USIB INTERNAL USE ONLY

Silver Chlorobromide Photographic Emulsions
With Grains Having a Laminated Structure, by
Yu. M. Prokhot'skiy, Yu. B. Vilenskiy.

RUSSIAN, per, Zhur Nauch i Prikl Fotograf
Kinematog, Vol V, No 5, 1960, pp 363-364.

NLL M 8969

Sci - Phys
Apr 65

26, 857

THE GRAININESS OF THE PHOTOGRAPHIC IMAGE, PART II.
APPLICATION OF THE THEORY OF STATIONARY FUNCTIONS TO
GRAININESS PROBLEMS, BY V. ROMER, 34 PP.

RUSSIAN, PER, ZHUR NAUCH I PRIK FOTOGRAF I KINEMATOG,
VOL V, NO 5, 1960, PP 380-395.

CIA/FDD XX-LL98

NOT RELEASABLE TO FOREIGN NATIONALS

SCI

JUN 62

USIB INTERNAL USE ONLY

201,510

The Action Mechanism of Tanning Agents on Photographic Emulsions, by V. L. Zelikhman, 5 pp.

RUSSIAN, per, Zhur Nauch i Priklad Fotograf i Kinemat
Vol V, No 6, 1960, pp 403-405.

CIA/FID XX-1167

NOT RELEASABLE TO FOREIGN NATIONALS

Sci

198, 474

May 62

USIB INTERNAL USE ONLY

Uspeknski, A. N.
ADDITIVE COPIER AKP-2 FOR CONTACT PRINT-
ING OF AERIAL COLOR PHOTOGRAPHS. [1961] 6p.
Order from ATS \$10.35 ATS-15N56R

Trans. of Zhur[hal] Nauch[ool] Priklad[ool]
Fot[ografi]i i Kinematografi (USSR) 1960, v. 5, no. 6,
p. 413-418.

DESCRIPTORS: *Aerial photographs, Printing, Color
photography.

ATS-15N56R

(Materials--Photographic, TT, v. 7, no. 6)

62-12156

1. Title: Copier AKP-2
- I. Uspeknski, A. N.
- II. ATS-15N56R
- III. Associated Technical
Services, Inc., East
Orange, N. J.

Office of Technical Services

The Effect of the Change of Properties and Increase
of the Concentration of Non-Diffusing Color Com-
ponents in the Photographic Layer on the Color
Development Speed, E-793, by V. E. Ushinskiy, P. K.
Rozhnova, 8 pp.

RUSSIAN, per, Zhur Nauch Prikl Fotograf Kinetograf,
Vol 8, No 6, 1960, pp 419-423.

CIA/PDD NK-1108
NOT RELEASABLE TO FOREIGN NATIONALS

Sci - Phys

Jan 62

174, 112

INTERNAL USE ONLY

Spectral Sensitivity of Electrophotographic Layers, by
S. G. Gerasimov, Yu. A. Cherkasov, 8 pp.

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Vol V, No 6, 1960, pp 433-438.

CIA/FDD XX-1025

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Sci - Phys

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Comparative Characteristics of Color Reproduction
Properties of Fototsvet Photographic Papers (E-325)
by V. M. Baldeulov, 3 pp.

RUSSIAN, par. Zhur Nauch i Prikl Fotograf i Kinesmat
Vol. 7, No 6, Nov/Dec 1960, pp 446-447.

CRA/FID KX-1104

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USIA INTERNAL USE ONLY

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Mono- and ~~IX~~ Polymolecular States, by
S. V. Matarnon, E. F. Klinco.

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NIL M. 4685

Sci - Phys
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THE GRAININESS OF THE PHOTOGRAPHIC IMAGE, PART III.
REVIEW OF EXPERIMENTAL WORK, BY V. ROMER, 27 PP.

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CIA/FDD XX-LL98

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USIB INTERNAL USE ONLY

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INVESTIGATION OF THE FORMATION OF DYES IN
BLACK-AND-WHITE DEVELOPMENT OF COLOR
FILMS. 1961. 7p.

Order from CTT \$14.00

CTT-61K116

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Kinematografii (USSR) 1961, v. 6, no. 1, p. 6-13.

DESCRIPTORS: *Color film, Processing, *Dyes,
Photography.

(Materials--Photographic, TT, v. 8, no. 1)

62-12986

- I. Strel'nikova, A. P.
- II. Levkoev, I. I.
- III. Kirillov, N. I.
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Office of Technical Services

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USIB INTERNAL USE ONLY

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ANTICOMET ACTION AND STRUCTURE OF WET-
TING AGENTS 1961, 3p.
Order from CTT \$6.00

CTT-61K115

Trans. of Zhurnal Nauchnoi i Prikladnoi Fotografii i
Kinematografii (USSR) 1961, v. 6, no. 1, p. 34-38.

DESCRIPTORS: *Wetting agents, Chemical reactions,
Molecular structure

(Materials--Photographic, TT, v. 8, no. 1)

- I. Levi, S. M.
- II. Smirnov, O. K.
- III. CTT-61K115
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Office of Technical Services

Kinetics of the Fixing Process With Photographic
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CIA/FDD XX-1166
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Spectra of Certain Dimethylenecyanines in Emulsions,
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Vol VII, No 1, 1961, pp 64-66.

CIA/PDC KR-1165

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THE EFFECT OF SLOW ELECTRONS ON PHOTOGRAPHIC
EMULSIONS, II. THE CHANGE IN THE RELATION OF THE
DENSITY OF BLACKENING TO THE ELECTRON ENERGY DURING
THE AGING OF X-RAY FILMS, BY V.V. KRYACHKO, 9 PP.

RUSSIAN, PER, ZHUR NAUCH PRIK FOTOGRAF I KINEMATOG,
VOL VI, NO 2, 1961, PP 87-91.

CIA/FDD XX-11,6
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USIS INTERNAL USE ONLY

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Sensitization Spectra of Dicarboyanine Dyes, by E. B. Lifshits, S. V. Natanson, 6 pp.

RUSSIAN, per, Zhur Nauch i Prik Fotog i Kinematog, Vol VI, No 2, 1961, pp 92-96.

CIA/FDD XX-1149

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\$10.50

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ATD/KNF-3047

USIB INTERNAL USE ONLY

Investigation of Temperature Relationships in
Photographic Development, by V. I. Shebertsov, 12 p

RUSSIAN, per, Zhur Nauch i Prikl Fotograf i Kinetato
Vol VI, No 2, 1961, pp 97-101.

CIA/PED KX-1100
NOT RELEASABLE TO FOREIGN NATIONALS

Sci - Phys

Jan 62

USE INTERNAL USE ONLY

175, 411

The Preparation of Levelling Developing Solutions,
by S. G. Bogdanov, 15 pp.

RUSSIAN, per, Zhur Nauch Prik Fotog i Kinematog,
Vol VI, No 2, 1961, pp 117-124.

CIA/FDD XX-1096

NOT RELEASABLE TO FOREIGN NATIONALS

Sci - Phys

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US/E INTERNAL USE ONLY

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N. I. Rodionova.

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Theory of Threshold Characteristics of Photographic
Devices, by I. P. Moroz, 15 pp.

RUSSIAN, per: Zhur Nauch Priklad Fotograf Kinemat,
Vol. VI, No 2, 1961, pp 130-138.

CIA/FID XE-1164

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by A. I. Kartuzhanski, 3 pp.

RUSSIAN, per, Zhur Nauch Prikl Foto Kine,
Vol VI, No 2, 1961, pp 141-42.

CIA/FDD XX-1373
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USIB Internal Use Only

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pp. 154-159.
JPRS 37528

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Oct 66

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CIA/RDD 101-1127

NOT RELEASABLE TO FOREIGN NATIONALS

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Influence of the Sol of Germanium Upon Photosensitivity
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Vol. VI, No 3, 1961.

CIA/FDD XX-1160

NOT RELEASABLE TO FOREIGN NATIONALS

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196, 153

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OEIS INTERNAL USE ONLY

Influence of Desensitizers on the Photoelectrochemical Effect in Silver Bromide, by K. K. Demidov, E. A. Pozigur, 6 pp.

RUSSIAN, per, Zhur Nauch Prik Fotograf i Kinematog, Vol VI, No 3, 1961, pp 161-163.

CIA/FDD XX-1111

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DATE 7-6-62

Effects of Developer Concentration on High-Speed
Development, by P. I. Levina, V. A. Veydenbakh, 8 pp.

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Vol. VI, No 3, 1961, pp 164-170.

CIA/FDD XX-1163

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The Effect of the Kinetics of Clearing on the Nature
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Varcharskaya, P. A. Vasil'yeva, 16 pp.

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Vol VI, 1961, pp 172-177

CIA/FDD XX-1105

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USIB INTERNAL USE ONLY

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CIA/FID XN-1162

NOT RELEASABLE TO FOREIGN NATIONALS

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Photographic Properties of Gelatin Layers Containing
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7 pp.

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Vol VI, No 3, 1961, pp 186-192.

CIA/PDD XE-1161

NOT RELEASABLE TO FOREIGN NATIONALS

Sci

198, 446

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USE INTERNAL USE ONLY

Investigation of the Spectrozoneal Film SN-2 Under
Conditions of Photography of Natural Objects by
A. Ya. Smirnov, 17 pp.

RUSSIAN, par, Zhur Rauch i Prik Fotog i Kinomatog
Vol VI, No 3, May-June 1961, pp 193-202.
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FTD-TE-63-797

Sci-Phys
Nov 63

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62-12392

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INVESTIGATION OF THE KINETICS OF THE
DEVELOPMENT OF THE LATENT XEROGRAPHIC
IMAGE. [1961] Sp.
Order from ATS \$9.10

ATS-46N57R

Trans. of Zhurnal Nauchnoi i Prikladnoi
Fotografii i Kinematografii (USSR) 1961, v. 6,
no. 3, p. 220-224.

DESCRIPTORS: *Electrophotography.

(Materials--Photographic, TT, v. 7, no. 6)

- I. Anfilov, I. V.
- II. ATS-46N57R
- III. Associated Technical
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Office of Technical Services

Sensitivity of Extra Fine Grain Emulsions P-9 and PR
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3 pp.

RUSSIAN, per, Zhurn Nauch i Prikl Fotograf i Kinematog,
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CIA/FID XX-1124
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UBIB INTERNAL USE ONLY

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Some Developments Recommended for
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K. B. Markovitch, 9 pp.

RUSSIAN
Vol VI,

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1961.

CIA/FID KK-1108

NOT RELEASABLE TO FOREIGN NATIONALS

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USIE INTERNAL USE ONLY

Articles of Monochromatic Light on Primary
Centers in Silver Halide, by A. B. Gol'dengerg

RUSSIAN, per, Zhur Nauch Prikl Fot Kinemat,
Vol 6 (4), 1961, pp 241-245.ii

CIA/PDD XJ-1352
No Foreign Dissem

Sci-Phys

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OTS TT-62-26372 (RUSSIAN to FRENCH)

Electron-Microscopic Investigation of Emulsification and Ripening Processes of Very Fine-Grain Emulsions, by N. R. Novikova, V. I. Zakharov, 8 pp.

RUSSIAN, per, Zhur Nauch i Prikl Fotografii i Kinematografii, Vol VI, No 4, 1961, pp 247-250.

CIA FDD-XX-1336
NO FOREIGN DISSEM

OTS 82-14477

NLL M 10029

Sci - Electron
6 Mar 1963

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BLUE-VIOLET SPECTRAL REGION. [1962] 11p.
Order from ATS \$16.85 ATS-62P59R

Trans. of Zhurnal Nauchnoi Prikladnoi
Fotografii i Kinematografii (USSR) 1961, v. 6,
no. 4, p. 264-273.

DESCRIPTORS: *Photography, *Spectrographic
analysis.

ATS-62P59R

(Materials--Photographic, TT, v. 7, no. 11)

62-12823

- I. Meiklyar, P. V.
- II. Ignat'eva, Z. P.
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- IV. Associated Technical Services, Inc., East Orange, N. J.

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62-17199

Zaleski, A.
THE ACCURACY AND PRACTICAL SUITABILITY OF
GRAININESS MEASUREMENTS BY COMPARING IM-
AGES OF GRAIN STRUCTURES. [1962] 14p.
Order from ATS \$19.95 ATS-61P59R

I. Zaleski, A.
II. ATS-61P59R
III. Associated Technical
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Orange, N. J.

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Fotografii i Kinematografii (USSR) 1961. v. 6, no. 4,
p. 274-285.

DESCRIPTORS: *Photographic emulsions.

(Materials--Photographic, TT, v. 8, no. 3)

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Gorokhovskii, Yu. N., Levina, V. V., and
Popova, K. B.

TESTING COLOR PHOTOGRAPHIC PAPER WITH A
DYE DIATEST. [1962] 8p.
Order from ATS \$9.90

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Fot[ografi] i Kine[matografi] (USSR) 1961, v. 6,
no. 4, p. 289-293.

DESCRIPTORS: *Color photography, *Photographic
paper, Paper, Test methods.

(Materials--Photographic, TT, v. 8, no. 2)

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- II. Levina, V. V.
- III. Popova, K. B.
- IV. ATS-60P59R
- V. Associated Technical
Services, Inc.,
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CONCERNING THE DEPENDENCE OF THE RESOLV-
ING POWER OF AN EMULSION LAYER ON ITS
THICKNESS. [1963] 5p. 7 refs.
Order from OTS or SLA \$1.10

I. Protas, I. R.
II. Prusa, P. Kh.

63-16633

Trans. of Zhurnal Nauch[noi] Priklad[noi] Fot[o-
grafii i] Kinematografii (USSR) 1961, v. 6, no. 4,
p. 294-296.

DESCRIPTORS: *Photographic emulsions, Thickness,
Resolution, Silver compounds, Halides, Optical images,
Films, Photographic film.

(Materials--Photographic, TT, v. 10, no. 8)

Office of Technical Services

Investigation of the Nature of the Concentration
Effect in Optical Sensitization, by A. V. Borin,
Z. V. Kharitonova, P. I. Logak, 3 pp.

RUSSIAN, per, Zhur Nauch, Prik Fotografii i
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CIA FDD XX-1332
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Sci - Phys
6 Mar 1963
USIB INTERNAL USE ONLY

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New Version of Electrophotographic Process, by I. S. Zheludev.

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NLI Ref: 5828.4 1964 (10,497) (loan copy)

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The Localization of Topochemical Transformations
During Accelerated Aging of Photographic
Emulsions, by L. P. Melnichuk

RUSSIAN, per, Zhurnal Nauchnoi i Prikladnoi
Fotografii i Kinematografii, Vol 6, 1961,

pp 301-304.

NEC-71-10727-14E

Nov 71

The Relationship of Latent Image Stability
to Certain Photographic Emulsion Properties, by
V. I. Sheberstov.
RUSSIAN, per, Zhurnal Nauchnoi i Prikladnoi
Fotografii i Kinematografii, Vol 6, No 5, 1961,
pp 304-305.
NTC-70-13180-14E

Feb 72

A Study of Dye Adsorption on Silver Halides in the
Range of Low Degree of Surface Saturation, by S. M.
Solov'yev, N. I. Rodionova, 14 pp.

RUSSIAN, per. Zhur Nauch Prik Fotograf Kinematog,
Vol VI (5), 1961, pp 323-333.

CIA/FDD XX-1231

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OTS 63-20132

Sci

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Aug 62

USIB INTERNAL USE ONLY

The Determination of the Optimal Frame Frequency
for High Speed Cinematography, by V. I. Lavrent'ev,
S. P. Forval'nyi.

RUSSIAN, per, Zhur Nauch i Prikl Fotografii i
Kinematografii, Vol VI, No 5, pp 349-352.

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Sci - Phys
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Couplers and the Yield of Dyes in Color Development,
by V. I. Uspenskiy, N. I. Rodionova, 6 pp.

RUSSIAN, per, Zhur Nauch i Prik Fotograf i
Kinematograf, Vol VI, No 5, 1961, pp 358-362.

CIA/FDD XX-1291

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OTS 63-16709

USIB INTERNAL USE ONLY

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An Electrolytic Method of Developing Photographic
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RUSSIAN, per, Zhkur Nauch Prik Fotograf i Kinematograf,
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CIA/FDD XX-1292

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Sci
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57-62-18081

USIB INTERNAL USE ONLY

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S. D. Kirlyan

Photography and Visual Observation by Means
of High-Frequency Currents.

RUSSIAN, per, Zhurnal Nauchnoi i Prikladnoi
Fotografii i Kinematografii, Vol 6, 1961, pp 397-
408.

NTC 72-13607-14E

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FTO-71-62-1549

Nov 72

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Improvements in the Method of Costing and the Quality of Electrophotographic Materials, by K. A. Ramazanov, 12 pp.

RUSSIAN, per, Zhur Nauch i Prikl Fotograf Kinetog, Vol VI (6), 1961, pp 440-447.

CIA/FDD XKI-1232

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Sci

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OTS 62-1541

USIB INTERNAL USE ONLY

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25 pp.

RUSSIAN, ~~OSP~~, Zhuz Nauch i Prikl Fotograf i Kinematog,
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CIA/FID XX-1239

NOT RELEASABLE TO FOREIGN NATIONALS

Sci

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Aug 62

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USIB INTERNAL USE ONLY