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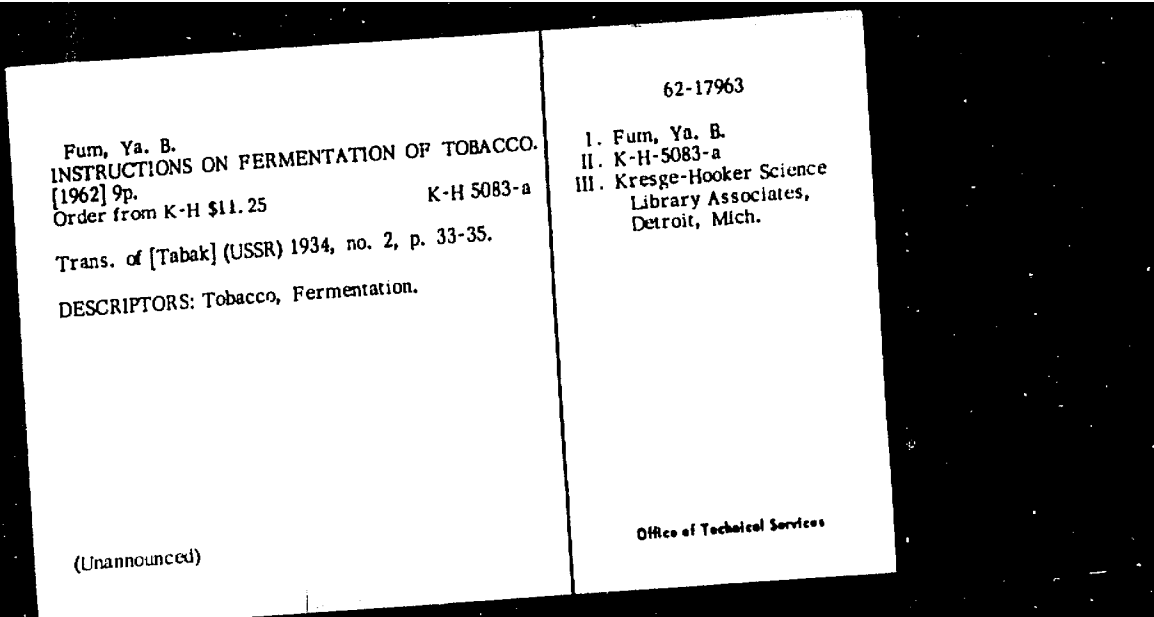
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DESCRIPTORS: *Tobacco, *Smokes, *Cigarettes,
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Hydrolysed Nicotine as an Index for Sensory
Strength of Makhorka, by L. N. Shakhnovskiy,
3 pp.

RUSSIAN, ger, Tabak, Vol XX, No 1, 1959,
pp 14-17.

SLA 60-10813

Sci

OTS, Vol III, No 7

Nov 60

133,121

62-10908

I. Mikhailov, M. K.

K-H 7700-b

Office of Technical Services

Mikhailov, M. K.
THE SHMUK METHOD FOR DETERMINATION OF
POLYPHENOLS IN TOBACCO (O Metode Shmuka dlya
Opredeleeniya Polifenolov v Tabake). [1962] [6]p.
5 refs.

Order from OTS or SLA \$1.10 62-10908

Trans. of Tabak (USSR) 1959, v. 20, no. 2, p. 41-43.
Another trans. is available from LC or SLA at \$1.80,
pb \$1.80 as 61-15172, CSIRO Trans-4941 [1960] [7]p.

DESCRIPTORS: *Tobacco, Chemical analysis, *Phenols,
Determination, Paper chromatography.

For abstract see Technical Translations 5: 287, 1961.

(Chemistry--Analytical, TT, v. 8, no. 1)

Asmaev, P. G. and Mokhnachev, I. G.
ON THE QUESTION OF CHANGING THE COMPO-
SITION AND PROPERTIES OF TOBACCO PROCESSED
AT DIFFERENT TEMPERATURES. [1962] 10p.
Order from K-H \$12.50 K-H 11249-a

Trans. of Tabak (USSR) 1959 [v. 20] no. 3, p. 55-59.

DESCRIPTORS: *Tobacco, Processing, Temperature.

(Agriculture--Plant Cultivation, TT, v. 8, no. 6)

62-17779

I. Asmaev, P. G.
II. Mokhnachev, I. G.
III. K-H-11249-a
IV. Kresge-Hooker Science
Library Associates,
Detroit, Mich.

Office of Technical Services

Improving the ~~XXXXXX~~ Germination of Newly
Harvested Tobacco Seed, by I. Chirkovskiy, 7 pp.

RUSSIAN, per, Tabak, ~~XXXXXX~~ Vol XX, No 4, 1959,
pp 41-43.

SLA-61-13959

Vol V, No 5
Jul 61

160,178

Restriction of Tobacco Otherwise than Thorough
the Roots, by T. P. ~~XXXXXX~~ Khinkov, 5 pp.

RUSSIAN, per, Tabak, Vol XX, No 2, 1959,
pp 44-45.

SIA 61-13960

Vol V, No 5
Jul 61

160,179

62-17572

Panov, P. Ts. and Boyanov, B. I.
USE OF INFRARED RAYS IN TOBACCO CURING.
[1962] 10p.
Order from K-H \$12.50 K-H 11433-c

- I. Panov, P. Ts.
- II. Boyanov, B. I.
- III. K-H-11433-c
- IV. Kresge-Hooker Science
Library Associates,
Detroit, Mich.

Trans. of Tabak (USSR) 1959, v. 20, no. 4,
p. 50-52.

DESCRIPTORS: *Tobacco, *Aging, *Infrared
radiation.

(Agriculture--Plant Cultivation, TT, v. 8, no. 4)

Office of Technical Services

63-16924

Asmaev, P. G. and Mokhnachev, I. G.
ON THE QUESTION OF CHANGING THE COMPOSITION AND PROPERTIES OF TOBACCO PROCESSED AT DIFFERENT TEMPERATURES. [1962] 10p. 12 refs.
Order from OTS or SLA \$1. 10 63-16924

I. Asmaev, P. G.
II. Mokhnachev, I. G.

Trans. of Tabak (USSR) 1959, v. 20, no. 3, p. 55-59.
Another trans. is available from K-H \$12. 50 as
K-H 11249-a [1962] 10p.

DESCRIPTORS: *Tobacco, Processing, Temperature.

(Agriculture--Plant Cultivation, TT, v. 10, no. 7)

Office of Technical Services

Mashkovtsev, M. F. and Sirotenko, A. A.
ON THE FILTERING CAPACITY OF CIGARETTE
FILTERS. [1962] 6p
Order from OTS, SLA, or ETC \$1.10 TT-64-10697

Trans. of Tabak (USSR) 1959, v. 20, no. 4, p. 25-27.
Another trans. is available from K-H \$7.50 as
K-H-11071-c [1962] 6p.

(Chemistry, TT, v. 12, no. 2)

TT-64-10697

I. Mashkovtsev, M. F.
II. Sirotenko, A. A.

Office of Technical Services

62-17780

Asmaev, P. G. and Nikolaeva, L. A.
PROCEDURE FOR DETERMINING THE TECHNO-
LOGICAL PROPERTIES OF TOBACCO RAW
MATERIAL. [1962].

Order from K-H \$5.75

K-H 10789

Trans. of Tabak (USSR) 1960, v. 21, no. 1, p. 40-42.

DESCRIPTORS: *Tobacco, Chemical analysis.

(Chemistry--Analytical, TT, v. 9, no. 10)

- I. Asmaev, P. G.
- II. Nikolaeva, L. A.
- III. K-H-10789
- IV. Kresge-Hooker Science
Library Associates,
Detroit, Mich.

Office of Technical Services

Asmaev, P. G. and Nikolaeva, L. A.
PROCEDURE FOR DETERMINING THE TECHNO-
LOGICAL PROPERTIES OF TOBACCO RAW
MATERIAL. [1962] 7p. 5 refs.
Order from OCS or CIA \$1.10 63-16923

Trans. of Tehtek (USSR) 1960, v. 21, no. 1, p. 40-42.
Another trans. is available from R-II \$8.75 as
R-II 10750 [1962].

DESCRIPTORS: Tobacco, Chemical analysis.

(2000 copy - Analytical, TT, v. 10, no. 6)

63-16923

I. Asmaev, P. G.
II. Nikolaeva, L. A.

Office of Technical Services

Sirotenko, A. A. and Mashkovtsev, M. F.
CHANGES IN THE RATIO OF STRUCTURAL AND
STORAGE PROTEINS IN TOBACCO LEAVES DUR-
ING THEIR GROWTH AND IN STARVATION
METABOLISM (Izmeneniya v Sootnoshenii Konstitut-
sionnykh i Zapasnykh Belkov v Tabachnom Liste vo
Vremya yego Rosta i v Protseesse Golodnogo Obmena)
tr. by M. Slade. [1960] [9]p. (foreign text included)
6 refs. CSIRO Trans. no. 4940.
Order from LC or SLA ml\$1.80, pb\$1.80 61-15975

Trans. of Tabak (USSR) 1960, v. 21, no. 1, p. 54-57.

(Biological Sciences--Botany, TT, v. 5, no. 8)

61-15975

1. Tobacco--Physiology
2. Proteins--Plant metabolism
- I. Sirotenko, A. A.
- II. Mashkovtsev, M. F.
- III. CSIRO Trans-4940
- IV. Commonwealth Scientific and Industrial Research Organization (Australia)

151695

Office of Technical Services

61-20016

Dorokhov, P. K. and Akimushkina, A. N.
VOLUMETRIC PROPERTIES OF FIBROUS TOBACCO
AS A FUNCTION OF ITS FRACTIONAL COMPOSITION. [1961] 7p. 1 ref.

Order from OES or MA 51.10 61-20016
K-4-110-10-b
Tranz. of Tabak (USSR) 1960, v. 21, no. 2, p. 21-23.

DESCRIPTORS: *Tobacco, Fibers, Physical properties, Density, Fractionation, *Cigarettes, Preparation, Tests.

The investigation of the volumetric properties of tobacco as a function of their size and observations in production indicate that the fibrousness of cut tobacco increases with the content of the fraction retained on the 2-mm sieve.

(Agricultural Machine Cultivation, TT, v. 6, no. 12)

I. Dorokhov, P. K.
II. Akimushkina, A. N.

Office of Technical Services

62-17776

Asmaev, P. G.
NEW FERMENTATION CONDITIONS FOR CIGARETTE
TOBACCO. [1962] 16p.
Order from K-H \$20.00 K-H 11480-b

Trans. of Tabak (USSR) 1960 [v. 21] no. 2, p. 34-46.

DESCRIPTORS: *Tobacco, *Cigarettes, *Fermentation.

- I. Asmaev, P. G.
- II. K-H-11480-b
- III. Kresge-Hooker Science
Library Associates,
Detroit, Mich.

(Biological Sciences--Biochemistry, v. 9, no. 2)

Office of Technical Services

62-18836

Asmaev, P. G.
NEW FERMENTATION CONDITIONS FOR CIGARETTE TOBACCO. [1962] 16p. 7 refs.
Order from OTS or SLA \$1.60 62-18836

I. Asmaev, P. G.

Trans. of Tabak (USSR) 1960, v. 21, no. 2, p. 43-46.
Another trans. is available from K-H \$20.00 as
K-H-11480-b [1962] 16p.

DESCRIPTORS: *Cigarettes, *Tobacco, Smokes,
*Fermentation.

(Biological Sciences--Biochemistry, TT, v. 9, no. 5)

Office of Technical Services

61-20584

Asmaev, P. G. and Mokhnachev, I. G.
CONTENT IN TOBACCO OF NON-CARBOHYDRATE,
CARBONYL SUBSTANCES. [1963] [9]p. 10 refs.
Order from OTS or SLA \$1.10 61-20584

I. Asmaev, P. G.
II. Mokhnachev, I. G.

Trans. of Tabak (USSR) 1960, v. 21, no. 3, p. 35-39].

BB/116

DESCRIPTORS: *Tobacco, *Carbonyl radicals,
*Fermentation, Amino acids, Temperature, Chemical
analysis.

The investigation of the fermentation of tobacco at
various temperatures from the point of view of the
dynamics of change of the content of carbonyl substances
on non-carbohydrate character showed that the accumu-
lation of these substances is more pronounced during
the fermentation at low temperatures (30° - 35° C)
than during high temperature fermentation (50° - 70°C).
(Author)
(Biological Sciences--Biochemistry, TT, v. 10, no. 7)

Office of Technical Services

61-10698

Shakhnovskiy, L. N.
THE CHEMICAL COMPOSITION OF THE SMOKE OF
SOME TOBACCO PRODUCTS. [1960] 9p.
Order from L.C or SLA mi\$1.80, ph\$1.80 61-10698

1. Tobacco--Chemical analysis
2. Smokes--Chemical analysis
1. Shakhnovskiy, L. N.

Trans. of Tabak (USSR) 1960 [v. 21] no. 4, p. 17-20.

An investigation of 150 samples of cigarettes, manufactured in January, 1959, covering the production of most USSR factories showed the following limits of variation: free nicotine, 1.4 to 26.3 mg; total nicotine, 10.8 to 43.5 mg; ammonia, 0.0 to 6.1 mg; pyridine, 2.9 to 21.1 mg; 2,4 dinitrophenylhydrazone, 12.5 to 45.0 mg; acetic acid, 4.3 to 74.0 mg; and pH 4.4 to 7.0. It is concluded that raw tobacco quality can be objectively characterized by determining in its smoke such indicators as the smoke pH, free and combined nicotine, acidity determined by titration, total strong and weak bases, and carbonyl compounds.

148620

Office of Technical Services

(Chemistry--Analytical, TT, v. 5, no. 12)

Shokhnovskii, L. N.
CHEMICAL COMPOSITION OF SMOKE OF SMOKING
PRODUCTS OF DIFFERENT GRADES. [1962] 9p.
Order from K-H \$11.25 K-H 10997-b

Trans. of Tabak (USSR) 1960, v. 21, no. 4,
p. 117-120.

DESCRIPTORS: *Chemical analysis, *Smokes,
Cigarettes, *Tobacco

(Chemistry--Analytical, TT, v. 8, no. 8)

62-17628

I. Shokhnovskii, L. N.
II. K-H-10997-b
III. Kresge-Hooker Science
Library Associates,
Detroit, Mich.

Office of Technical Services

(DC-2700/79)

New Machines for Transplanting Tobacco and
Makhorka, by G. P. Shemayev, 9 pp.

RUSSIAN, per, Tabak, No 1, 1961, pp 27-32.

JPRS 8742

USSR

163, 994

Econ

Aug 61

(DC-2700/79).

The SKIB-4 Transplanting Machine, by A. N. Dobyshev,
et al, 2 pp

RUSSIAN, per, Trak, No 1, 1961, pp 33-34.

JFRS 27/1

USSR

Econ - Technological, Farm Machinery

27 Apr 61

(NY-6501)

Raising the Raw-Material Base of the
Tobacco Industry to Meet Rising Needs,
7 pp.

RUSSIAN, per, Tabak, Vol XXII, No 3,
1961, pp 42-45.

JPRS 11210

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174,135

USSR
Econ
Dec 61