

Yoshio, Matsubara

Oceanographic Conference Outlines Plans to  
Exploit Marine Resources, 12 pp.

GOVERNMENT USE ONLY

NIHON NO KAGAKU TO GIJUTSU, Tokyo, No 2, 1974,  
pp 22-28.

JPRS/L 4896

Jul 74

Tooru, Shiramizu

Tokyo Prefecture Studies Plan for New Water  
Sources, Recycling, 17 ppp.

GOVERNMENT USE ONLY

NIHON NO KAGAKU TO GIJUTSU, Tokyo, No 2, 1974,  
pp 29-35.

JPRS/L 4896

Jul 74

Yuzawa, M.

A New Method of Obtaining Sound Absorption Coefficient through on-the-spot Measurement. Normal  
Incidence Absorption Coefficient  
NIPPON ORYO GAKKAISHI, v. 23, n. 2, 1972, p. 66-72  
CSIRO-Tran-1103C  
HTC 73-31028-20A

Yamaguchi, Z.

Leakage Characteristics of Telephone Receivers  
NIHON ONKYO GAKKAI-SHI, v. 16, n. 2, 1960, p. 94-100  
NTC 73-11764-17B

Okda, J.

*Calculation of the Property of Expansion Chamber  
Type Mufflers*

*NIPPON ONKYO GAKKAISHI*, v. 25, n. 3, 1969, pp. 122-129  
NTC 73-12698-20A  
NTIS N72-26554

Koyasu, K.

Evaluation of the Degree of Diffuseness in Reverberation  
Chambers by Spatial Correlation Techniques  
NIPPON ONKYO GAKKAISHI, v. 26, 1970, p. 132-143  
NTC 72-21891-201  
NTIS N72-26548

Okuda, J.

Calculation of the Properties of Resonator type Mufflers  
HIPPON ONKYO GAKKAISHI, v. 27, 1971, p. 363-372  
NTC 73-11802-20A  
NTIS N72-26547

Yoshimatsu, H.

Influence of Air Flow on the Acoustic Characteristics  
of an Expansion Chamber Filter  
NIPPON ONKYO GAKKAISHI, v. 27, 1971, p. 501-507  
NTC 73-11802-20A  
NTIS NTIS 772-26546

Fujimoto, S.

Experiment on Ericust Muffler by Pulsating Air Flow  
NIPPON OMKYO GAKKAIGI, v. 27, 1971, p. 569-578  
NTIS #72-11970-20B  
NTIS #72-2602b

Okumura, H.

A Case of Chronic Toxipathic Hepatitis caused by Aspirin  
NIHON RINSHO, V. 23, 1965, p. 1633-1636  
NTC 73-11828-060

I. Miyaji

Air pollution and respiratory diseases in the  
Yokkaichi Region, on the so-called Yokkaichi  
Asthma.  
NIHON KYOBU RINSHO, Vol 28, No 4, pp 69-80, 1969.  
NTC 72-15108-06J

mar 73

HIRATA, Y.  
//NIHON ONKYO GAKKAI-SHI//  
--/1971,V0027,N0010,  
The Effect of Air Flow on Acoustic Attenuation  
by an Expansion Chamber Filter,  
PP 501-507,NTC 74-10102-20A@@

TAKASE, I.  
//NIHON OYO DOBUTSU KONCHU GAKKAI-SHI//  
--/--/1971, VOL15, NO002,  
The Fate of Disulfoton in the Soil,  
PP 63-69, NTC 74-10695-02#0@

Kawase, E.

The genus nephotettix in Thailand.  
NIHON OYO DOBUTSU KONCHU GAKKAI-SHI, 1971,  
pp. 70-75, v. 15, n. 2.  
NTC 73-12037-02D

Takai, A.

Study on methods for estimating the number of  
the overwintering green rice leafhopper,  
*neophotettix cincticeps* uhler (hemiptera:  
deltoidcephalidae) and their population dyna-  
mics.

NIHON OYO DOBUTSU KONCHU GAKKAI-SHI, 1972,  
pp 67-74, v. 16, n. 2.  
NTC 73-12040-06C

Kiritani, K.

An approach to the integrated control of rice pest:  
Control with selective, low dosage insecticides by  
reduced number of applications.  
NIHON OYO DOBUTSU KONCHU GAKKAI-SHI, Vol 16, 1972,  
pp 94-106  
NTC 73-13487-02D

Iizuka, H.

Studies on the residues of BHC applied in  
paddy fields.  
NIHON OYO DOBUTSU KONCHU GAKKAI-SHI, 1972,  
pp 130-147, v. 16, n. 3.  
NTC 73-12039-02D

Iwata, T.

Black type in the green rice leafhopper,  
*nephrotettix cincticeps uhler.*  
NIHON OYO DOBUTSU KONCHU GAKKAI-SHI, 1972  
pp. 162, v. 16, n. 3.  
NTC 73-12038-02D

Kajita, H.

Rearing of *Apanteles chilonis* Minakata on the rice stem borer, *Chilo suppressalis* Walker, Bred on a semi-artificial diet.

NIHON OYO DOBUTSU KONCHU GAKKAI-SHI, Vol 17, 1973,  
pp 5-9  
HTC 73-14555-08C

Ohkubo, H.

*Experimental studies on the flight of planthoppers by  
the tethered flight technique. Part 1. Characteristics of  
flight of the Brown planthopper Nilaparvata lugens stål  
and effects of some physical factors.*

NIHON OYO DOBUTSU KONCHU GAKKAI-SHI, Vol 17, 1973,

pp 10-18

NTC 73-14553-06C

KOYAMA, J.  
//NIHON OYO DOBUTSU KONCHU GAKKAI-SHI//  
--/--/1973,V0017,N----, pp 0147-0153  
Studies on the diminution of insecticide  
application to rice stem borer, chilo  
suppressalis walker. Part I. the relation  
between the damage caused by rice stem  
borer and the yield of rice  
NTC 74-12653-02D  
#

Kajita, H.

*Threshold temperature for the development of Apaneles  
Schilonis Munakata and A. Flavipes (Cameron) (Hymenoptera:  
Braconidae).*

NIHON OYO DOBUTSU KONCHU GAKKAI-SHI, Vol 17, No 1, 1973,  
pp 39-40  
NTC 73-14449-06C

Ito, T.

*The ovicidal action of systemic insecticides on the eggs  
of Pieris Rapae Crucivora Biosduval and Nilaparvata  
Lunigra stal.*

NIHON OYO DOBUTSU KONCHU GAKKAI-SHI, Vol 17, No 1, 1973,  
pp 41-42  
NTC 73-14554-08C

Ito, S.

Effect of various environmental factors on  
transpiration rate of *pinus densiflora* and  
*pinus thunbergii* under controlled conditions.  
NIPPON RINGAKKAI SHI, 1968, pp.187-190,  
v.50, n.6.  
NRC C-12077

HIDEO, T.  
//NIHON RIISHO//  
--/--/1960, VOL13, NO10,  
Clinical Observations of Chronic Toxicosis by  
Arsenic. Report No. 3.,  
pp 230-236, JPC 74-10002-06136

Kato, T.

An epidemiological study of malignant ovarian tumors.

NIHON RINSHO, v. 26, p. 1855-1857, 1968.  
NTC 73-10844-06E

ONITA, T.  
//TIPPON KITSUO//  
--/--/1973, Y031, N006,  
Measurement of Atmospheric Pollutants,  
PP 55-60, INC 74-11002-1386

Space Activities Budget for FY 1973 Outlined,  
14 pp.  
GOVERNMENT USE ONLY  
JAPANESE, per, Nihon Roketto Kaihatsu Kyogikai  
Kaiho, Tokyo, Dec 72, pp 1-11.  
JPRS/L 4529

May 73

Changes in Japan's Space Industry, 22 pp.  
GOVERNMENT USE ONLY  
JAPANESE, por, Mihon Kokotto Kaihatsu Kyogikai  
Kaiho, Tokyo, Dec 72, pp 12-39.  
JPRS/L 4529

May 73

Construction of the Tanegashima Space Center  
Progresses, 5 pp.  
GOVERNMENT USE ONLY  
JAPANESE, per, Nihon Roketto Kaihatsu Kyogikai  
Kaino, Tokyo, Jan 73, pp 19-23.  
JPRS/L 4529

May 73

FY 1973 Space Budget Up More Than 50 Percent,  
10 pp.  
GOVERNMENT USE ONLY  
JAPANESE, per, Nihon Roketto Kaihatsu Kyogikai  
Kaiho, Tokyo, Feb 73, pp 1-8.  
JPRS/L 4525

May 73

Details Provided on STA Space Research for  
FY 1973, 10 pp.  
GOVERNMENT USE ONLY  
JAPANESE, per, Nihon Roketto Kaihatsu Kyogikai  
Kaiho, Tokyo, Feb 73, pp 9-18.  
JPRS7L 4525

May 73

Space Development Commission Analyzes Rocket  
Test Results, 9 pp.  
GOVERNMENT USE ONLY  
NIHON ROKKETTO KAIIATSU KYOGIKAI KAIIHO,  
Tokyo, Jun 73, pp 7-16.  
JPRS/L 4705

Revol. 79

GOVERNMENT USE ONLY

New Facility Will Test Rocket Engines at Simulated  
High Altitudes.

7 pp

NIHON ROCKET KAIHATSU KYOGIKAI KATHO, Tokyo,  
July 1973, pp 1-6.  
JPRS/L 4735

GOVERNMENT USE ONLY

FY 1973 Rocket Tests Summarized.  
14 pp

NIHON ROKETTO KAIHATSU KYOGIKAI KAIHO, Tokyo,  
July 1973, pp 10-17.  
JPRS/L 4735

GOVERNMENT USE ONLY

Launching of Experimental Satellite M-3C and  
Tokyo University's Second Probe Rocket Test  
Plan.

22 pp

NIHON ROKETTO KAIHATSU KYOGIKAI KAIHO, Tokyo,  
Jan 1974, pp 19-36.  
JPRS/L 4947

Main Items in FY 1974 Space Budget, 23 pp.  
GOVERNMENT USE ONLY  
NIHON KOKUTTO KAISHATSU KYOGIKAI KAIHO, Tokyo,  
Feb 74, no 15-33.  
JPRS/L 4975

Sep 74

Studies of Anthrax Infections and Immunities, by  
Makoto KAGA, 8 pp.  
Nihon Saikin-gaku Zasshi (J of Bacteriology), No 6,  
1956, pp 477-480.  
NAVY/NISC-3412

May 73

Studies of Infection and Immunity in Anthrax.  
III. The Effect of Chicken Yolk on the  
Evolution of Local Lesions in Anthrax Infect-  
ions, by Kaga, Makoto. 10 pp.  
JAPANESE, per. Nippon Saikin-gaku Zasshi, Vol 11,  
No 9, 1956, pp 755-759.  
NAV/STIC-Tran-3300-72

June 72

Sato, K.

*Studies on starch contained in the tissues of rice plant. Part 10. Starch distribution in the tissues of flower and caryopsis with their development of growth.*  
NIHON SAKUMOTSU GAKKAI KIJI, Vol 33, No 1, 1964,  
pp 29-34  
NTC 73-22057-02D

KUMURA, A.  
//NIHON SAKUMOTSU GAKKAI KIYI//  
--/-1965, V0033, N----,  
Studies on the Dry Matter Production of the  
Soybean Plant. Part I. Ontogenetic Changes in  
Photosynthetic and Respiratory Capacity of Soybean  
Plant and its Parts,  
pp 467-471, NTC 74-10721-02D@C

*f/r/s*  
Unci (ORNL-tr--2668) Immunological studies of soluble  
proteins in the human placenta. Hara, Y. Translated  
by H. Kubota (Oak Ridge National Lab., TN), from Nippon  
Sanka Fujinka Gakkaishi Zasshi; 21: 26-34(1969). 27p.  
Dep. NTIS.

06 biomed; translations  
MN-48 P NSA

Unci (ORNL-tr--2667) Immunoserological, clinical, and histopathological studies of placental protein of rabbits and rats. Hayashi, A. Translated by Hisashi Kubota (Oak Ridge National Lab., Tenn.), from Nippon Sanka Fujinka Gakkai Zasshi; 21: 309-318(1969). 27p. Dep.

06 biomed; translations  
MN-48 p NSA

Nishimura, A.

A statistical investigation of ovarian tumors.  
NIHON SANKA FUJINKA GAKKAI ZASSHI, v. 21  
p. 1457-1460, 1969.  
NTC 73-10924-06E

Mori, T.

*Intravenous prostaglandin F<sub>2</sub>-Alpha and Oxytoxin for the  
induction of term labor.*  
NIPPON SANKA FUJINKA GAKKAI ZASSHI, Vol 25, No 4, 1973,  
pp 265-273  
NTC 73-14453-060

TAKAKI, S.  
//NIHON SANKA FUJINKA GAKKAI ZASSHI//  
--/-/1973, V0025, N0006,  
The Behavior of Prostaglandins in the Peripheral  
Blood Circulation During the Menstrual Cycle,  
pp 541-542, MTC 74-10467-060@@

Kiyozumi, K.

*Surface treatment of plastics with a plasmajet.*  
NIHON SECCHAKU KYOKAISHI, Vol 6, 1970, pp 265-272  
NTC 73-14128-13H

Murata, I.

A treatise on latent osteomalacia. The so-called  
Itai-Itai disease. Report No 3.  
NIHON SEIREI GEKA GAKKAI ZASSHI, Vol 32, No ?, 1958,  
pp 60-61  
NTC 73-14671-06E

Kawano, Y.

*On progress in the treatment of the so-called  
itai-itai disease.*

NIHON SEIKEI GEKA GAKKAI ZASSHI, Vol 32, No 7, 1958,  
pp 61-63  
NTC 74-20008-06E

T. Iida

On the Physiological Importance of the Vascular  
Reaction to Cold. Part I.  
JAPANESE, per, Nippon Seirigaku Zasshi, Vol 11, 1949,  
pp 73-78.  
Order from NRC as C-11078  
HTC 60(1)-60P

Nov 72

M.1  
Vlachou, Atsushi  
Social facilitation in reading behavior of the Japanese. II.  
Experimental analysis of the effects of support on Chinese  
readers relative to individual reading. (Japanese)  
Other publications available upon request. (b-7c)  
[Signature]

Tsukahara, H.

Qualitative Analysis of Dye-Forming Developing Agents  
by Thin-Layer Chromatography  
NIPPON SHASHIN GANKAI KAISHI, V. 32, 1969, p. 7-11  
NTC 73-11678-07C

Suga, T.

Studies of Lith Development. Part I. Discussion  
on the Lith Effect.

NIPPON SHASHIN GAKKAI KAISHI, v. 32, p. 87-94, 1969  
NTC 73-10953-14E

Nakatsui, H.

Spectral Sensitization of CDS by Dyes Part I.  
Photoconduction Sensitization of CDS Powder  
NIPPON SHASHIN GAKKAII KAISHI, v. 32, 1969, p. 194-200  
NTC 73-11680-07E

Nakatsui, H.

Spectral Sensitization of CDS by Dyes. Part 2.  
Determination of Thermal Activation Energy and Depth  
of Traps

NIPPON SHASHIN GAKKAI KAISHI, v. 32, 1969, p. 201-205  
NTC 73-11679-07E

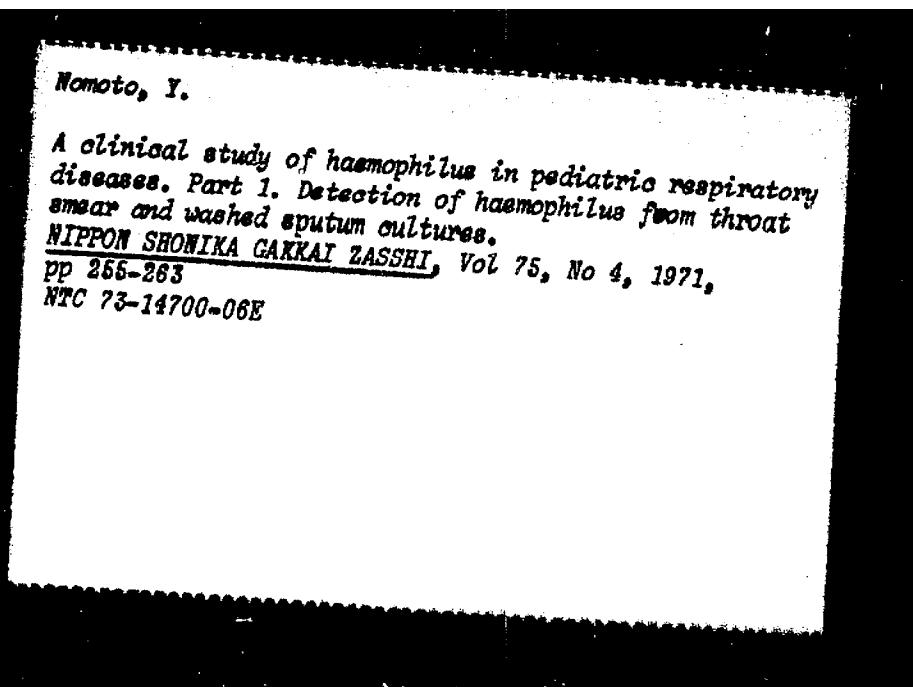
Ohue, S.

*Micro imaging lecture series. Part 6. Ultra  
microimage.*

NIPPON SHASHIN GAKKAI KAISHI, Vol 35, No 8, 1972,  
pp 105-112  
NTC 78-13962-14E

Fujiwara, T.

*Sulfur accumulation form and development of injury-symptom in plants which absorbed sulphur dioxide.*  
NIHON SHOKUBUTSU BYORIGAKU KAIGO, Vol 36, 1970,  
pp 127-131  
NTC 73-14317-06C



Igarashi, Tizanao, Yoichi Tama, and  
Akira Ishigaki 1977  
On the study of a whale (*Cephaloscyllium cavirostris*, Linnaeus):  
head blubber oil (Akata gelionyu ni tsuite)  
Nihon sisan gakkaishi (Jpn. Jap. Soc. of Sci. Fish.), 1(10):  
99-109, 1992. in Japanese.

Transl. by Transl. Serv., Regn. Engg. Div., Dept. of Recd. of State of Canada, for Dept. of Environ., DFO, Halifax, Nova Scotia, June 1974, as trans'. Series no. 2951. Lip., typescript.

Avail. on loan - W.H.S., Wash., D.C.

10. *Leucosia* *leucostoma* *var.* *leucostoma*

Saito, Kenzoichi

Studies on the whale oil. VII. Fatty acids composition  
of the sei whale whale oil. Pt. I. In the head and  
tail oil ( sei-u-ni, sei-ku VII, Tsuchikajira atami no  
shirouzu seibai (dai) iroto Atama saku shire (to ezu u' ni)  
tation bulan, madarishi, built. of the (ao. Soc. of Sci. Fish.).  
1951, 49(1), 1, in Japanese.

Transl. by Transl. Mr. S. Sato, Engr. Div., Dept. of Res. of  
Marine Resources, Dep't. of Enviro., Min. of Enviro. et al.,  
U.S.A., 1954, 18 (transl. Series No. 29), 1-p.

Avail. on loan - 1954, Wash., D.C.

Original Article Extracted K

Pacific Research

Studies on the shale oil - 1974  
Studies on the shale oil - 1974

Studies on the shale oil - 1974  
Studies on the shale oil - 1974  
Studies on the shale oil - 1974  
Studies on the shale oil - 1974

Studies on the shale oil - 1974  
Studies on the shale oil - 1974

Studies on the shale oil - 1974  
Studies on the shale oil - 1974  
Studies on the shale oil - 1974  
Studies on the shale oil - 1974

Studies on the shale oil - 1974  
Studies on the shale oil - 1974

Studies on the shale oil - 1974

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1942

Studies made during 1942 on the composition of a superimposed  
bottom of Arctic lakes which either oil liquid or heavy  
oil solid and no rubber like material  
was found in the bottom of the lakes.

Analyses made by the Bureau of Tech. of the Dept. of  
State of Alaska, the Dept. of Interior, the U.S. Air Force, etc.,  
in 1942, 1943, 1944, 1945, 1946, 1947, 1948, 1949, 1950, 1951, 1952,  
and 1953 on oil, gas, and rubber.

Approved for Release by FOIA KT

Tamura, Tamotsu  
Methods of investigating the function of fish eyes 1963  
Nihon Suisan Gakkaishi (Bull. Jap. Soc. of Sci. Fish.),  
29(1): 75-89. In Japanese.  
Transl. by Ministry of Agric., Fish. and Food for Fisheries  
Lab., Lowestoft, Suffolk, England, 20p., typescript.  
Avail. on loan - NMFS, Wash., D.C.

Original Article Checked *MK*

Suyama, Michizo, Kikuichi Nakajima, and  
Junsaku Nonaka 1965  
Studies on the protein and non-protein nitrogenous  
constituents of euphausia (Okiamirui no ganchisso  
kagobutsu ni kansuru kenkyu)  
Nihon Suisan Gakkaishi (Bull. Jap. Soc. of Sci. Fish.),  
31(4): 302-306. In Japanese.

Transl. by Transl. Bur., Fgn. Lang. Div., Dept. of Sec. of  
State of Canada, for Dept. of Environ., FRBC Mar. Ecology Lab.,  
Dartmouth, N.S., 1973, as Transl. Series No. 2510, 9p.,  
typescript.

Avail. on Loan - NMFS, Wash., D.C.

Original Article Checked MR

Hirayama, Kazutomo

Studies on water control by filtration through sand bed  
in a marine aquarium with closed circulating system-1,  
water consumption during filtration as an index in  
evaluating the degree of purification of breeding water  
21(2): 977-982. (in Japanese.)

1975

Transl. for FFM, DDC, typ., typescript.

Avail. on loan + copy, Tech., p.c.

Approved for Release 1997 under E.O. 14176

KF

Hirayama, Masao, M.  
Studies on water control or filtration through sand bed  
in a marine aquifer with closed circulating system. II.  
relation of filtering velocity and depth of sand layer  
to purification of breeding water  
Han Sufuan, Shizuhiko (full), No. Secy. of Sci. Fish.,  
1(12) 7-1971, 12pp., Japanese.

Transl. for CTD, 1971, 10pp., typescript.

Avail. at IASAN - DDC, Wash., D.C.

KT

Southern Bluefin. Resources in Australian waters.  
NIPPON SUISAN GAKKAISHI, Vol 32, pp 774-777, 1966  
NTC 72-15274-06C (on loan)

mar 73

Hara, H.

The effect of low pressure and friction on high  
energy x-ray and -ray radiographs.

NIHON SHASHIN GAKKAISHI, 1967, p. 78-82, v. 30,  
n. 2.

NTC 73-12209-14E

Hirayama, Nobuo  
Studies on the fishing mechanisms of tuna longline I.  
Relation between catch and size 1969  
Nihon Suisan Gakkaishi (Bull. Jap. Soc. of Sci. Fish.),  
35(6): 546-549. In Japanese.

Original Article Checked *M*

Shimizu, Chiaki, Kenji Abe, and  
Fumio Matsuura

1969

Levels of oxidized and reduced NAD and NADP in tissues of fish  
(Oyo-rui soshiki no sankaku-kei oyobi kangen-kei NAD oyobi NADP  
no sanryo ni tsuite)  
Nihon Suisan Gakkaishi (Bull. Jap. Soc. of Sci. Fish.),

35(10): 1034-1040. In Japanese.

Transl. by Transl. Bur., Fgn. Lang. Div., Dept. of Sec. of  
State of Canada, for Dept. of Environ., FRSC Vancouver Lab.,  
Vancouver, B.C., 1973, as Transl. Series No. 2447, 14p.,  
typescript.

Avail. on Loan - NMFS, Wash., D.C.

Original Article Checked MR

Shimma, Yaichiro, and Misako Shimma  
Studies on lipids extracted from imported brown fish meal 1971  
(Yunyu burauun fieshu miiru chu no shishitsu no seijo)  
Nihon Suisan Gakkaishi (Bull. Jap. Soc. of Sci. Fish.),  
27(3): 203-210. In Japanese.

Transl. by Transl. Bur., Pgn. Lang. Div., Dept. of Sec. of  
State of Canada, for Dept. of Environ., FRBC Halifax Lab.,  
Halifax, N.S., 1973, as Transl. Series No. 2632, 15p.,  
typescript.

Avail. on Loan - NMFS, Wash., D.C.

Original Article Checked M

Oishi, K.

A study on quantitative determinations of  
nitrate in processed Alaska pollack roe.  
NIHON SUISAN GAKKAI-SHI, 1971, pp 1073-  
1078, v. 37, n. 11.  
NRC C-12096

Shigeno, Kunihiko et al.  
Studies on the artificial diets of prawn - I. Relationship  
between the feed efficiency and crude protein in the diets 1972  
(Shiryo-koritsu to shiryo no so-tanpaku-ryo ni tsuite)  
Nihon suisan gakkaishi (Bull. of Jap. Soc. of Scient. Fish.),  
38(2): 101-106. In Japanese.

Transl. by Transl. Par., Fgn. Lang. Div., Dept. of Sec. of  
State of Canada, for Dept. of Environ., FRBC Halifax Lab.,  
Halifax, N.S., 1973, as Transl. Series No. 2819, 14p.,  
typescript.

Avail. on loan - NMFS, Wash., D.C.

Original Article Checked *MK*

Nishibori, Kokichi, and Kiyomi Okuyama  
Studies on the flavor of "katsuobushi" V. Identification 1972  
of high boiling point phenolic volatiles (Katsuobushi koki  
seibun V. Kofuttenu fenoru seibun no dotei)  
Nihon Suisan Gakkaishi (Bull. Jap. Soc. of Sci. Fish.), 38  
(3): 231-~~232~~. In Japanese.

Transl. by Transl. Bur., Fgn. Lang. Div., Dept. of Sec. of  
State of Canada, for Dept. of Environ., FRBC Halifax Lab.,  
Halifax, N.S., 1973, as Transl. Series No. 2363, 12p.,  
typescript.

Avail. on Loan - NMFS, Wash., D.C.

Original Article Checked MR

Tanigawa, Eiichi, et al.  
Behavior of fish muscle proteins in frozen minced fish 1972  
(Reito surimi ni okeru gyoniku tanpaku no hyōdo)  
Nihon Suisan Gakkaishi (Bull. Jap. Soc. of Sci. Fish.),  
38(3): 307-312. In Japanese.  
Transl. by JPRS for NMFS, July 1973, 12p., typescript.  
Avail. on loan - NMFS, Wash., D.C.

Original Article Checked MR

Toyama, K.

The protection of marine products from their  
deterioration due to the oxidation of oil.  
Part 13. Applicability of concentrated  
natural tocopherol mixture.

NIHON SUISAN GAKKAI-SHI, 1972, pp 487-495,  
v. 38.  
NRC C-12108

Unci (ORNL-tr--2848) Algal cancer and its causes.  
4-Oct-74  
II. Separation of carcinogenic compounds from sea bottom  
mud polluted by waste of the coal chemical industry.  
ISHIO, S.; NAKAGAWA, H. Translated by H. Kubota from  
Nippon Suisan Gakkaishi; 38: No. 6, 571-576(1972). 9p.  
Dep. NTIS \$4.00.

06 biomed; translations  
MN-48 P NSA

revision

Takama, K.

Changes in the flesh lipids of fish during frozen storage. Part III. Relation between rancidity in fish flesh and protein extractability.

KIBON SEISAN GAKKI-S/1, Vol. 23, n.6, 1972,  
n. 607-612  
NRC S-11046

Watanabe, Taisuke

The recent trend in the stock size of the Pacific population  
of the common mackerel off Honshu, Japan, as viewed from egg  
abundance (Sanrenryō no kainen hendo kara mita masaba honshu  
taiheiyōkeigun no shigen no dokō ni tsuite)  
Nihon Suisan Gakkaishi (Bull. Jap. Soc. of Sci. Fish.) 28(5):  
439-444. In Japanese.

Transl. by Transl. Bur., Pgn. Lang. Div., Dept. of Sea. of  
State of Canada, for Dept. of Environ., FRBC Mar. Ecology Lab.,  
Dartmouth, N.S., 1973, as Transl. Series No. 2451, 13p.,  
typescript.

Avail. on Loan - NMFS, Wash., D.C.

Original Article Checked *K*

Toyama, Kenzo and Masako Shimizu  
The protection of marine products from their deterioration  
due to the oxidation of oil - XIII. Applicability of concentrated natural tocopherol mixture (Suisanbutsu no aburayakeboshi ni kan suru kenkyu - XIII. Tennen tokoferoru kongobutsu no tekiyosei)  
Nihon Suisan Gakkaishi (Bull. of Jap. Soc. of Sci. Fish.),  
28(5): 487-495. In Japanese.

Transl. by Transl. Bur., Pgn. Lang. Div., Dept. of Sec. of State of Canada, for Dept. of Environ., FRBC Halifax Lab., typescript.

Avail. on Loan - NMFS, Wash., D.C.

Original Article Checked *MK*

Nagayama, Fumio, Hiroshi Oshima, and  
Kazutami Umezawa

1972

Distribution of glucose-6-phosphate metabolizing enzymes  
in fish (gyorui ni okeru gurukosu-roku-rinsan no taisha  
ni kango suru koso no bunpu)  
Nihon Suisan Gakkaishi (Bull. Jap. Soc. of Sci. Fish.), 38(6):  
589-593. In Japanese.

Transl. by Transl. Bur., Fgn. Lang. Div., Dept. of Sec. of  
State of Canada, for Dept. of Environ., ERDC Mar. Ecol. Lab.,  
Dartmouth, N.S., 1975, as Transl. Series No. 2569, 10p.,  
typescript.

Avail. on Loan - NMFS, Wash., D.C.

Original Article Checked MR

Kosamaru, Kiraki, Masanori Mae, and  
Hironari Fukuda

1972

Studies on the nutritive value of wheat germ as an ingredient  
of the diet for cultured fish - V. Nutritive value of formu-  
lated diet with wheat Germ and white fish meal for ayu and  
rainbow trout (Komugi haiga no yogyo shiryo koka ni kansuru  
kenkyu - V. Ayu oyobi nijimasu ni okeru shiryo koka)  
Nihon Suisan Gakkaishi (Bull. Jap. Soc. of Sci. Fish.), 38(7):  
677-683. In Japanese.

Transl. by Transl. Bur., Eng. Lang. Div., Dept. of Sec. of  
State of Canada, for Dept. of Environ., FRBC Halifax Lab.,  
Halifax, N.S., 1973, as Transl. Series No. 2495, 16p.,  
typescript.

Avail. on Loan - NMFS, Wash., D.C.

Original Article Checked *M*

Watanabe, Etsuo, and Kazuo Ando  
Changes in cholesterol in developing rainbow trout egg 1972  
(Nijimasu-ran hassei-ohu ni okeru koresuteteru no shoocho)  
Nihon Suisan Gakkaishi (Bull. Jap. Soc. of Sci. Fish.),  
18(7): 711-715. In Japanese.

Transl. by Transl. Bur., Fgn. Lang. Div., Dept. of Sec. of  
State of Canada, for Dept. of Environ., MRC Halifax Lab.,  
Halifax, N.S., 1973, as Transl. Series No. 2468, 11p..  
typescript.

Avail. on Loan - NMFS, Wash., D.C.

Original Article Checked *MR*

Sato, Ryhuei, ~~Kasashi~~ Sata, and  
Sadaaki Koizumi

1972

A comparison of the ubiquinone contents between two groups  
of adult chum salmon, Oncorhynchus keta, caught both in the  
bay and the river (Shiro sake shinryo no soka songo ni okeru  
zoki yubikinon-ryo no hikaku) Nihon Suisan Gakkaishi (Bull. Jap. Soc. of Sci. Fish., 30(10):  
1079-1082. In Japanese.

Transl. by Transl. Bur., Egn. Lang. Div., Dept. of Sec. of  
State of Canada, for Dept. of Environ., FRBC Halifax Lab.,  
typescript.

Avail. on Loan - NMFS, Wash., D.C.

Original Article Checked *MR*

Mamura, Shinichi, et al.

1972

Applications of back-pack cardiotelometer for fishes I.  
Heart rate and cardiac reflex in fishes during unrestrained  
swimming (Gyorui shinden zu yo teremeta no oyo ni kansuru  
kenkyu I. Yueiji no shinhyosu to shinzo hansha ni tsuite)  
Nihon Suisan Gakkaishi (Bull. Jap. Soc. of Sci. Fish.),  
28(10): 1105-1117. In Japanese.

Transl. by Transl. Pur., Egn. Lang. Div., Dept. of Sec. of  
State of Canada, for Dept. of Environ., MRBC Biol. Sta.,  
St. Andrews, N.B., 1975, as Transl. Series No. 2438, 28p.,  
typescript.

Avail. on Loan - NMFS, Wash., D.C.

Original Article Checked *W*

Morii, Hideaki  
Bacteria in stomach of marine little toothed Whales 1972  
(Kaiyosei irukarui no i nai saikin ni tsuite)  
Nihon Suisan Gakkaishi (Bull. Jap. Soc. of Sci. Fish.),  
29(10): 1177-1183. In Japanese.  
Transl. by Transl. Bur., Egn. Lang. Div., Dept. of Sec. of  
State of Canada, for Dept. of Environ., FRBC Halifax Lab.,  
Halifax, N.S., 1973, as Transl. Series No. 2565, 13p.,  
typescript.  
Avail. on Loan - NMFS, Wash., D.C.

Original Article Checked *AK*

Umemoto, Shigeru, and Osamu Taguchi  
Studies on gel fraction in fish muscle protein extracts -  
VII. Actin component in the gel fraction (yoniku tanpakushitsu  
chushutsuiki no geru kubun - VII. Geru kubunchu no akuchin  
seibun)  
Nihon Suisan Gakkaishi (Bull. Jap. Soc. of Sci. Fish.), 38(12):  
1411-1415. In Japanese.

1972

Original Article Checked MR

Doi Takeyuki  
A rapid method to estimate the optimum coefficient of fishing mortality of *Chrysophrys major* in the East China Sea and the Yellow Sea (Higashi shinakai, kokai-san madai no tekisei gyokakukeisu o mitsumoru kanbenho) Nihon Gijutsu Dakurituishi (Bull. Jap. Soc. of Sci. Fish.), 39(1): 1-5. in Japanese.

Transl. by M. Benefiel for NMFS, May 1973, 11p., typescript.  
Avail. on Loan - NMFS, Wash., D.C.

Original Article Checked MR

Niwa, Eiji, Bunji Mori, and  
Masato Miyake

1973

Retardative mechanism of protein denaturation by addition  
of saccharides during cold storage of minced fish meat  
(surimi) I. Behavior of electrolytes in sucrose solution  
(Torui ni yoru surimi no toketsu hensei yokusei kiko I.  
Shoten yosiki chu ni okeru denkaishitsu no kyodo)  
Nihon Suisan Gakkaishi (Bull. Jap. Soc. of Sci. Fish.),  
29(1): 61-67. In Japanese.

Transl. by Transl. Bur., Fgn. Lang. Div., Dept. of Seo. of  
State of Canada, for Dept. of Environ., FRBC Halifax Lab.,  
Halifax, N.S., 1973, as Transl. Series No. 2528, 19p.,  
typescript.

Avail. on Loan - NMFS, Wash., D.C.

Original Article Checked *MR*

Shore, 1991), the northern portion  
of the interior in the central cold stem is the  
most intense pattern in which several species (e.g.  
various leafy spurge species) distribute well in the north  
but are absent from the south. In the south, species such as  
"1-2" are more abundant.

Brand, by name, Mr., 001101, Sweden, 1975, of Stockholm, ex-  
citator of plant, now head of institution, was (in 1975) utilized to  
determine, under Dr. G. H. W. M. van der Heijden, 0011, 1975, 1976,  
1977, on "Aspergillus fumigatus", Phoma, 1975.

Tanaseki, Tideoaki, Itsuko Takamizawa, and  
Keishi Amano

1673

Relation between the colour of tuna meat and the activity of  
metmyoglobin reductase - I. A determination method of metmyo-  
globin reductase activity of the extract from tuna meat  
(Maguro nikkushoku to metmyoglobin kangei koso kassei tono  
kenseki ni tsuite - I. Maguro nikkushoku chushitsukidchu no metamic-  
grobini kangei koso kassei sokutei hoho)  
Rifion suisen yakuhishi (Bull. Jap. Soc. of Sci. Fish.), 29(6):  
677-681. In Japanese.

Transl. by Transl. Bur., Engr. Lang. Div., Dept. of Sci. of  
State of Canada, for Dept. of Environ., FRMC Vancouver Lab.,  
Vancouver, B.C., 1974, as Transl. Series No. 2922, 10p.,  
typescript.

Avail. on loan + ERSS, Wash., D.C.

Approved for release by [initials]

Yamada, Titenki, Mitsuko Takanizawa, and  
Keishi Amano

1973

Relation between the colour of tuna meat and the activity of  
metmyoglobin reductase - II. Changes in the activity of metmyo-  
globin reductase during frozen-storage and subsequent thawing  
of tuna meat from niku-shoku to metmyoglobin-hemoglobin  
kassei-tuna kanketsu ni tsuite - II. Nihon no chosa shi narabini  
daihon seisan yakuutsu (Ball. Jap. Soc. of Sci. Fish.), 39(6);

Transl. by Transl. Div., Engr. Lang. Div., Dept. of Secy. of  
State of Canada, for Dept. of Environ., DFO Vancouver Lab.,  
Vancouver, B.C., 1974, as Transl. Series No. 2923, 16p.,  
typescript.

Avail. on loan + 100, Wash., D.C.

KT

Takazumi, Takashi, Azuto Yoshihiko, and  
Masanichi Toyonaga 1973

The discoloration of autoxidized lipid by the reaction with  
Vitamin E or non-V.E. fraction from fish muscle (Izonika no V.E.  
oyobi non-V.E. kubun ni yoru sanka shishitsu no henshoku)  
Eiken suisan yakkaihi (full. ab. Soc. of Sci. Jap.),  
2(1): 191-194. In Japanese.

Transl. by Transl. Ser., Environ. Div., Dept. of Sci. of  
State of Canada, for Dept. of Environ., DDC/DTIC Halifax Lab.,  
Halifax, N.S., 1974, as Transl. Series No. 2954, 14p.,  
typescript.

Avail. on loan - DDC/DTIC, Wash., D.C.

Original document K1

Murata, Hisashi, and Asanichi Morozawa  
Studies on metabolism of  $\beta$ -HCH,  $\alpha$ -HCH, and  $\gamma$ -HCH  
 $\beta$ -confection of fatty acids in carp liver muscle mitochondria  
(Keru no shiboman baisha ni hanabusa kenkyu) of  
ketosyoutoku mitokonduku no omoi shibogen no  $\beta$ -sanka  
Japan suishin-sankakusho Bull. of the Jap. Soc. of Sci. Fish.,  
2(1): 301-7. (In Japanese.)

Transl. by Transl. Mr., Environ. Div., Dept. of Sec. of  
State of Canada, for Dep't. of Environ., EEC (PPG) Halifax  
1974, 21pp., 1974, as Transl. Series No. 2972, 17p.

Avail. on loan - Library, Wash., D.C.

Approved for Release  
1997 under the  
Freedom of Information Act  
KT

Toyama, Kenzo, Koji Amano, Toku  
Ketzo Iizuchi, Toku

1973

The protection of marine products from deterioration  
due to the oil pollution - I. V. Application of citrus  
fruit terpenes to fish products (Suisan utasme aburayaku  
boshi ni kansuru kenkyu, V. Nankotsuru terpenes no  
shisoshō o naru ni tsuite).  
Suisan suisen gakkaishi (Bull. of the Jap. Soc. of Sci. Fish.),

transl. by Transl. Ser., P.R.C. Lang. Div., Dept. of Sec. of  
State of Canada, for Ent. of Aviation, U.S. (NSC) Halifax Lab.,  
Halifax, N.S., 1974, as Transl. Series No. 2971, 17p.,  
typescript.

Avail. on OAD - 100, Wash., D.C.

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and to Agent A, "Alabam" and to Agent B,  
"Bama" also  
Based on the statements of a passenger at the ~~terminal~~  
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~~terminal~~ ~~house~~ ~~house~~ ~~house~~ ~~house~~ ~~house~~ ~~house~~ ~~house~~ ~~house~~  
Local Bureau of Alcohol, Tobacco, and Firearms, "ATF", 24(9);  
Local Bureau of Alcohol, Tobacco, and Firearms, "ATF", 24(9);  
Office of ATF, Bureau of Alcohol, Tobacco, and Firearms, Office of  
Alcohol, Tobacco, and Firearms, ATF, Series 6, #62, 149, 1962.  
Local Bureau of Alcohol, Tobacco, and Firearms, ATF, 24(9);  
Local Bureau of Alcohol, Tobacco, and Firearms, ATF, 24(9);

Internal Affairs Bureau, ATF

Shinizu, Utaka, and Yama, and  
Takaji Endo  
Seasonal variations in the ical constituents of yellowtail  
muscle. I. Water, lipids and crude protein. (Surf. benthic  
Kagoshima posei at Misetsu-hama). Nippon, shishutsu oshiba  
'Ihon suisan gakkaishi (full. Jap. Soc. Sci. Fish.), 22(9):  
99-99. (In Japanese).

Transl. by Rensel, un., Dir., G.C. Div., Dept. of Sec. of  
State of Japan, Transl. of Techn. Rep. (rB-1) aline  
and, 1974, 1974, as transl. Series o. 3000, 129.,  
typescript.

A copy on loan - 1974, Wash., D.C.

Original Article Checked KT

Kato, Noboru, Hitoshi Uchiyama, and  
Fumitaki Iida

1973

A rapid method for determination of inosine, hypoxanthine,  
uric acid, and nucleotides in fish muscle by continuous  
gradient column chromatography (Renzoku nado kobai karamu  
kuromon ogurafili ni yoru inoshini, hipokisanchin, nyasan oyobi  
nukureochido no jinsoku teiryoho)  
*Nihon Suisan gakkaishi* (Jull. of the Jap. Soc. of Sci. Fish.),  
29(16): 1639-1644. (in Japanese).

Transl. by Transl. Grp., Environ. Lang. Div., Dept. of Sci. of  
State of Canada, for Dept. of Environ., Public Halifax Lab.,  
Halifax, N.S., and MRC Biol. Sta., St. John's, Nfld., 1974,  
as Transl. Series No. 2902, 13p., typescript.

Avail. on loan - DDCI, Wash., D.C.

Original Article Checked KT

**Washington**, *Salmo ohridanus* Steindachner, 1868, Ann.  
Mus. Acad. Sci. Cracoviensis, 1868, p. 100.  
Synonym: *Salmo ohridanus* Steindachner, 1868, Ann.  
Mus. Acad. Sci. Cracoviensis, 1868, p. 100.  
Stellifer ctenostomus, Steindachner, 1868, Ann.  
Mus. Acad. Sci. Cracoviensis, 1868, p. 100.  
The name of the species is derived from the  
name of the lake where it was found, Lake Ohrid, Macedonia.  
It is a small fish, 10-12 cm. long, with a very thin body,  
large scales, and a large head.  
The scales are numerous, elliptical, dry, and smooth, or  
slightly rounded, or rounded, with a slight ridge, or  
slightly raised, and a faint series of 10-12 rows of  
small, irregular, and slightly raised tubercles.

$$V_{\text{eff}}(r) = V_0 \left(1 - \frac{r}{R}\right)^{\alpha}$$

Ogata, T.

Fishery-biological research on important fishes - Alaska  
pollock (Jujo gyozoku no gyogyo seibutsugakuteki kenkyu -  
Suketoudara) 1956  
Nihonkai-ky Suisan Kenkyusho Kenkyu Hokoku (Bull. of Japan  
Sea Reg. Fish. Res. Lab.), (4): 93-146. In Japanese.

Original Article Checked *M*