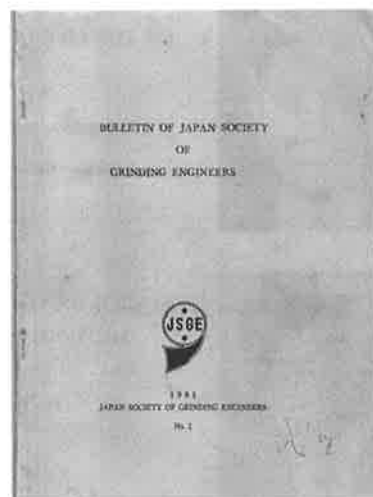


砥粒アーカイブス・資料編 ④

砥粒加工研究会 欧文誌第 1 号

1961 年砥粒加工研究会欧文誌第 1 号が創刊され、以後毎年1号ずつ 15 号まで刊行されました。今回は第 1 号に掲載の論文 23 編の題名と 27 名の著者を紹介します。第 1 号では日本の砥粒加工を築きあげた先達の顔写真が載っています。読者のみなさんは、この写真の方々がどなたかわかりますか。



BULLETIN OF JAPAN SOCIETY OF GRINDING ENGINEERS (No.1)



SPONTANEITY OF CUTTING EDGES OF ABRASIVE GRAINS IN A GRINDING WHEEL

by  
Dr. Naojiro KUMAGAYA  
(Chairman of Japan Society of Grinding Engineers)



ON THE BEHAVIORS OF ABRASIVE GRAINS IN GRINDING PROCESS

by  
Dr. Hideo TSUWA  
(Osaka University)



Mr. YUSHIKAWA



Mr. SATA

SOME ASPECTS OF FRACTURE WEAR OF GRINDING WHEELS

by  
Hiroyuki YOSHIKAWA  
and  
Dr. Toshio SATA  
(Institute of Physical and Chemical Research)



ON THE GRINDING FORCE.

by  
Dr. Akira KOBAYASHI  
(Chief of Technics Section, Electrotechnical Laboratory, MITI.)



ANALYSIS ON THE GRINDING FORCE

by  
Dr. Koji ONO  
(Defence Academy, Defence Agency)



THE EFFECT OF ELASTICITY OF GRINDING MACHINE ON THE GRINDING PERFORMANCE

by  
Dr. Susumu SHIOZAKI  
(Professor, Tokyo Metropolitan University)



PROBABALISTIC TREATMENT ON THE GRINDING GEOMETRY

By  
Dr. Teijiro ORIOKA  
(Professor, Yamanashi University)



GRINDING TEMPERATURE

by  
Dr. Kenji SATO  
(Professor, Tohoku University)



CORRELATION BETWEEN GRAIN- AND BOND- PERCENTAGES OF RESINOID GRINDING STONE

by  
Dr. Naoharu KINOSHITA and Hideo KASHIARA  
(The Institute of physical and chemical Research)



Mr. YAMATO



Mr. YOKOKAWA

SCRATCHES ON MIRROR FINISHED SURFACE BY GRINDING

by  
Shuzo YAMATO  
(General Director, Tokyo Plant, Mitsui Seiki Kogyo Co., Ltd.)  
and  
Kazuhiko YOKOKAWA  
(Chief, 2nd Precision Machinery Design Sub-section)



ON THE LIFE OF THE GRINDING WHEEL

by  
Hideichi MAKINO  
(The Government Mechanical Laboratory, MITI.)



EFFECTS OF THE VIBRATION OF THE GRINDING SPINDLE ON THE GRINDING PERFORMANCE

by  
Shirokichi NAKAOKA  
(Manager of Okuma Research Laboratory and Director of Okuma Machinery Works, Ltd.)  
and  
Nakakatsu TAKEENO  
(Staff of Okuma Research Laboratory Okuma Machinery Works, Ltd.)

Mr. S. NAKAOKA

Mr. N. TAKEENO



RESEARCH ON COOLING AND LUBRICATING METHODS BY GRINDING FLUIDS

by  
Dr. Tomonobu SHONOZAKI  
(Professor of Kanagawa University)



GRINDING PERFORMANCE OF THE PVA WHEEL

PART I. SUBJECT PVA STONE  
by  
Tomohiro HORIE  
(Nippon Special Grinding Grain, Co. Ltd.)



PART II. ON THE HARD PVA PVA WHEEL

by  
Dr. A. KOBAYASHI and T. UEGUCHI  
(Manufacture Division, Electrotechnical Laboratory, MITI.)



Mr. SASAKI



Mr. TOIDA

GRINDING OF SINTERED CARBIDE WITH DIAMOND GRINDING WHEELS

by  
T. SASAKI and K. TOIDA  
(Industrial Research Institute of Kanagawa Prefecture)



ON PRECISION GRINDING OF OPTICAL GLASS

by  
Yasuhiro ISHIDA  
(The Government Mechanical Laboratory, MITI.)



EXPERIMENTS ON LIFE TESTS OF DIAMOND CUTTING-OFF WHEELS FOR GERMANIUM SINGLE CRYSTALS

by  
Dr. Akira KOBAYASHI  
(Chief of Technics section, Electro technical Laboratory, MITI.)



Mr. TAKEYAMA



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STUDY ON HONING

by  
Dr. Hidehiko TAKEYAMA  
Terumi MURAI  
and Kazutaka TAMAKORI  
(The Government Mechanical Laboratory, MITI.)



THEORETICAL CONSIDERATION ON THE ROUGHNESS OF THE LAPPED GLASS SURFACE

by  
Dr. Osamu IMANAKA  
(Electrotechnical Laboratory, MITI.)



ON THE NATURE OF POLISHED QUARTZ SURFACES

by  
Dr. Ichiro IDA,  
(Electrical Communication Laboratory, Nippon Telegraph and Telephone Public Corporation)



RESEARCHES ON BUFFING TEMPERATURE

by  
Yukio TANAKA  
(Faculty of Engineering, Kansai University)



A STUDY ON SURFACE FINISH BY ELECTRICAL CONTACT RESISTANCE MEASUREMENTS

BY  
Dr. Masahisa MATSUNAGA  
(Inst. Industrial Science, Tokyo Univ.)