

## 資料室だより

## BISI Translation 紹介

— No 18 —

## BISI Translation の特長

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またこの翻訳論文の刊行準備のできたものの Title, Abstract および出典について Translations Available (Weekly) が刊行されたり、また Journal of The Iron and Steel Institute に掲載され、事前にどんな論文が出るかわかるようになっていきます。

BISI Translations を利用すれば英国米国、以外の主要製鉄国の主要論文をきわめて容易に知ることが可能で、これによる時間的利得は非常に大きいと考えられます。

資料委員会では 1965 年より業界の協力のもとに共同購入してまいりました。

次に列記いたしました Title は最近入手したものです。複写は禁止されておりますので閲覧のみに限ります。

なお、“資料室だより”の別刷ご希望の方は調査課までご連絡下さい。無料でさし上げます。Tel (279) 6021

(BISI Translations List No. 551~557)

**Mineral Sources, Ores, Mining & Treatment**

BISI 8483 (A. I. Ivanov)

Kinetic features of magnetic roasting of krivoi rog quartzites in a fluidized bed.

[Izv. VUZ Chern. Met., 1969, (10), 34] (R)

BISI 8484 (V. A. Shurkhal)

The calculation of the consumption of air and the amount of waste gas during sintering of iron ore mixes.

[Izv. VUZ. Chern. Met., 1969, 12, (10), 26-29] (R)

BISI 8570 (J. Lang, et al.)

Automatic control of the speed of sinter belts and of the fuel during the processing of mine-tte ore. [Stahl Eisen, 1970, 90, 16 Apr. 398-404] (G)

BISI 8737 (Z. Demcik, et al.)

Processing the mixture of steel-plant and top-gas sludge in a sintering plant.

[Hutnik, 1970, 20, (5), 173-175] (Cz)

BISI 8651 (L. Brison)

Abrasivity of rocks.

[Rev. Ind. Minerale, 1970, Jan., 63-70] (F)

BISI 9079 (T. Cambon)

Direct reduction of iron ores in a fluidized bed: The novalferonia process.

[International conference on the production and utilisation of pre-reduced iron ores, Evian, 1967, 115-24] (F)

BISI 8988 (I. K. Boriskin & M. S. Bykov)

Problem of production of sinter metallized during the process of sintering.

[Izv. VUZ Chern. Met., 1970, (4), 51-55] (R)

**Fuel Preparation, Properties and Uses**

BISI 8319 (L. De Bohomoletz)

Coal in Latin American steelmaking industry.

[Rev. (IIAFA) Latinoamer, Sid., 1969, May, 34-35] (Span.)

BISI 9062 (J. Michna)

Optimization of gas consumption planning in a steelworks. [Hutnik, 1970, 37, (1), 17-20] (Cz)

**Blast Furnace Practice & Production of Pig Iron & Ferro Alloy**

BIRI 8436 (K. Polthier)

Gas and materials movement in the blast furnace with high output production.

[Stahl Eisen, 1970, 90, (5), 240-246] (G)

BISI 8441 (S. Jaklova)

Effect of ash content in coke on blast furnace production.

[Hutnik, 1970, 20, (2), 46-48] (Cz)

BISI 8567 (G. Boos.)

Experience with an induction furnace installation for remelting ferromanganese.

[Stahl Eisen, 1967, 87, (4), 215-217] (G)

BISI 8583 (Rottger)

A blast furnace for 5 000 tons of pig iron a day.

[VDI-Nachrichten, 1970, 24, June 17, 22-23a] (G)

BISI 8625 (R. Gorgen)

Pig iron and crude steel production.

[VDI-Z., 1969, 21, Nov., 1501-4] (G)

BISI 8337 (M. Prouza)

Process control of blast furnace burdening.

[Hutn. Listy, 1969, 24, (10), 691-695] (Cz)

BISI 8445 (J. Hejduk)

Production of phosphorus agglomerate and its treatment in blast furnace. [Hutnik, 1970, 20, (3), 81-85] (Cz)

BISI 8669 (P. Paschal, et al.)

Direct granulation from melt to taphole.

- Blast furnaces 1 an 9 at the joeuf works of the societe wendel & cie. [C. D. S. Circ., 1963, (5), 1197-1202] (F)
- BISI 8862 (S. Henkel et al.)  
Technology and results of injection of oxygen into the blast furnace 1-metallurgy and application. [Stahl Eisen, 1970, 90, Apr. 2, 321-328] (G)
- BISI 8869 (C. Barbier)  
Technological aspects and techniques of using high top pressure in the limits of the sustained speed of blast furnace number 1 at thionville. [C. D. S. Circ., 1970, 27, (2), 435-454] (F)
- BISI 8887 (L. Visnyovszky and J. IIIyes)  
Investigations on the metallurgy and operation of the blast furnace process in a low-shaft furnace with oxygen enriched blast. [Bany Koh. Lapok, 1970, 103, (4), 149-153] (Hung.)
- BISI 8843 (M. Ienciu)  
Reduction of iron sulphide with methane. [Metalurgia, 1970, (6), 354-359] (Rum)
- BISI 8783 (M. Maly and D. Ochodnický)  
Physico-chemical conditions of some reactions in the C-H ironmaking process. [Hutn Listy, 1970, 25, (7), 449-452] (Cz)
- Production of Steel**
- BISI 8625 (R. Gorgen)  
Pig iron and crude steel production. [VDI-Z., 1969, 21, Nov., 1501-4] (G)
- BISI 8738 (Z. Zdenek and J. Kurilla)  
Plant trial results of melts with calcium-carbide and silicon-carbide additions in the oxygen converter plant of the East Slovakian steelworks. [Hutnik, 1970, 20, (5), 180-183] (Cz)
- BISI 8777 (A. M. Bigeev, et al.)  
The mechanisms of gas-formation in the oxygen converter process and their potential applicability to process control-II. [Izv. VUZ. Chern. Met., 1969, (11), 45-49] (R)
- BISI 8790 (G. I. Demin, et al.)  
On the choice of the angle of inclination of the nozzles of the oxygen lance. [Izv. VUZ. Chern. Met., 1969, (11), 40-44] (R)
- BISI 8227 (J. Chvojka)  
Increased yield rate of round ingots used for pipe production. [Hutn. Listy, 1969, 24, (11), 774-780] (Cz)
- BISI 8446 (M. Miklanek)  
Steelmaking shop of the east slovak iron and steel plant. Its operating data and results obtained in three years operation. [Hutnik, 1970, 20, (3), 86-91] (Cz)
- BISI 8547 (K. H. Thiekler)  
Process control in arc furnaces at the stahl-und rohrenwerk reisholz GmbH. [International conference on Iron and Steel 1970, Automation in iron and steel works] (G)
- BISI 8803 (K. E. Behrens and H. Weingart)  
Investigation of the process of solidification in heavy ingots. [Thyssenforschung, 1970, 2, (2), 55-65] (G)
- BISI 8347 (K. Torsell and M. Olette)  
Cost study on modern deep sea bulk materials unloading and handling centre. [Fordern Heben, 1969, 19, (15), 926-928] (G)
- BISI 8897 (F. Bruhl)  
Recent developments the field of cold-working steels: review of the literature published since 1964. [Stahl Eisen, 1970, 90, Apr. 2, 360-364] (G)
- BISI 8943 (E. A. Iodko and A. V. Morgunov)  
The behaviour of non-metallic inclusions during solidification of killed steel ingots. [Izv. AN SSSR Met., 1969, (6), 62-68] (R)
- BISI 8947 (H. Forster)  
Theoretical investigations of heat transfer and casting shell growth in the continuous casting of steel. [Z. Metallk., 1969, 60, Dec., 898-904] (G)
- BISI 8545 (A. Krausz)  
A dynamic model for the automation of the LD process. [International Conference on Automation in Iron and Steel Making, Luxembourg/Dusseldorf, 1970, April] (G)
- BISI 8953 (L. E. Carlsson et al.)  
The befors method of desulphurisation. [Jernkon, Ann., 1970, 154, 241-253] (Sw)
- BISI 9081 (O. N. Kostenetskii)  
Measures for speeding-up slag formation in the oxygen converter. [Met. Koksokhim., 1970, (20), 13-17] (Ru)
- BISI 8068 (Z. Buzek, et al.)  
Economizing production of electro carbons steel used for castings by means of single slag technology and aluminium deoxidation. [Sbornik V.S.B. Ostrava, 1968, 14, (3), 243-246] (Cz)
- BISI 8438 (Z. Bohm and A. Kozina)  
Modernization of the open hearth steel works of Neue Hutte klement gottwald at ostrava by changing to a tandem furnace. [Radex Rund, 1969, June, 537-544] (G)
- BISI 8912 (J. Eibl and F. Hubner)  
Significance of the quality of the burnt lime for LD steelmakng. [Berg-Hutten. Monatsh., 1970, 115, (9), 231-239] (G)
- BISI 8806 (J. Pauwen & Dehalu)  
Automation of Cockerill-Ougree providences LD Plant at seraing installation of an "online" computer. [Int. Iron & steel Industry conference, 1970, on Automation, Luxembourg Computer.] (F)
- BISI 8810 (H. Firganek et al.)  
Investigations with radionactive ISO topes of the solidification front and of the depth of the liquid metal phase in an electroslag furnace. [Prace. Inst. Hutn., 1969, 21, (3), 141-9] (Po)
- Foundry Practice**
- BISI 8661 (A. Matting and U. Kruger)  
Determination of the mechanical properties of

cast iron at low temperatures.

[Giesserei-forschung, 1970, 22, (1), 29-37] (G)

BISI 8459 (K. Stransky)

Carbon concentration variations in the neighbourhood of foreign nuclei in cast irons.

[Slevarenstvi, 1970, 18, (1), 23-27] (Cz)

BISI 8676 (J. Vlk and P. Fremunt)

Hydrogen in steel castings.

[Slevarenstvi, 1969, 17, (11), 469-472] (Cz)

### Heat-Treatment, Heat-Treatment Furnace, Reheating Furnace & Soaking Pits

BISI 8925 (H. Staudinger)

Inductive surface hardening and residual stresses. [Hart. Techn. Mitt., 1966, 21, July, 111-23] (G)

BISI 8663 (J. Zlatnikova and I. Zlatnik)

Effects of working parameters in induction surface hardening of rolls for cold rolling.

[Hutn Listy, 1970, 25, (5), 335-42] (Cz)

BISI 8727 (A. M. Minkevici & Yu. V. Sorokin)

Nitriding of steel in nitrogen-ammonia mixtures. [Harterei-Techn. Mitt., 1970, 25, Apr. 10-16] (G)

BISI 8749 (V. Zabavnik and J. Horecky)

Nitridation of high-speed steel in gaseous media. [Strojirenstvi, 1970, 20, (6), 354-358] (Cz)

BISI 8781 (V. Zabavnik & J. Fajber)

Defects of borided layers after electrolytic boriding processes. [Strojirenstvi, 1970, 20, (7), 416-418] (Cz)

BISI 8413 (K. Bohnenkamp)

The nitriding of alloy steels.

[Arch Eisenh., 1967, (6), 433-437] (G)

BISI 8598 (K. Kraus)

Heat treatment of hardenable stainless chromium steels. [Strojirenska vyroba, 1970, 18, (5), 329-36] (Cz)

BISI 8750 (O. Jackuliak and V. Bojnican)

Relation between the depth of the hardened layer on gears and the residual stress.

[Strojirenstvi, 1970, 20, (6), 359-362] (Cz)

BISI 9064 (P. Detrez and M. Leger)

Metallurgical aspects of the heat treatment of steel castings. [Hart-Techn. Mitt., 1969, 24, Dec., 276-285] (G)

### Bolling & Bolling Practices

BISI 8799 (E. Wilhelm and P. Funke)

Wear behaviour of grooved hot mill rolls.

[DEW Tech. Ber., 1970, 10, (1), 44-67] (G)

BISI 8814 (L. Toth)

Determination of frictional stresses in the roll gap between rolls and material.

[Acta Technica Academiae Scientiarum Hungaricae, 1969, 66, (4), 369-375] (G)

BISI 8983 (W. Gorecki and K. Mniszek)

The effect of technological lubricant on surface quality of cold rolled strip. [Prace Inst Hutn., 1970, 22, (1), 23-29] (Pol)

BISI 8548 (W. Nurnburg)

Preliminary tests and determination of the optimum running of the main drive in reversing

mills. [Internal Conference of Ferrous Metallurgy, 1970, 'Automation in Iron and Steel Works'] (G)

BISI 8549 (W. Bading and L. Weber)

The use of a process computer in a universal slabbing mill. [International Conference on Iron and Steel, 1970, 1970, 'Automation in Iron and Steel Works'] (G)

BISI 8550 (J. Boelens and A. Banthine)

Analysis of an investigation into the automation of hot reversing mills. [International Conference on Iron and Steel, 1970, 'Automation in Iron and Steel Works'] (G)

BISI 8576 (O. Pawelski, et al.)

Control of flatness in cold strip rolling.

[Intervention to international conference on automation in iron & steelmaking. Luxembourg/Dusseldorf, 1970, April] (G)

BISI 8787 (V. Smid & Bembek)

Effects of chemical and structural inhomogeneity on defects occurring on the edges of silicon steel strips hot rolled on continuous mills.

[Hutn. Listy, 1970, 25, (7), 485-491] (Cz)

BISI 7784 (F. Bleilob et al.)

The surface roughness of patented dry bright drawn steel spring wire.

[Stahl Eisen, 1968, 88, (19), 1037-1042] (G)

BISI 8945 (A. Schulz)

Design and lay-out of modern light-section rolling mills. [Stahl Eisen, 1970, 90, Sept. 3, 970-984] (G)

BISI 9016 (R. Neber)

Rolling tests for the determination of the effect of different parameters upon the thickened ends of reduced tubes. [Bander Bleche, 1970, 11, 568-573] (G)

BISI 8663 (J. Zlatnikova and I. Zlatnik)

Effects of working parameters in induction surface hardening of rolls for cold rolling.

[Hutn Listy, 1970, 25, (5), 335-42] (Cz)

BISI 8802 (R. Schlicht and A. Paus)

Cold wide strip and cold wide strip products in stainless steel for chemical plant.

[DEW Tech. Ber., 1970, 10, (2), 184-187] (G)

BISI 8812 (K. N. Tkalic, et al.)

Inter-roll pressures and surface contact strength of backing rolls of a 1700 stand.

[Izv. VUZ. Chern. Met., 1969, (11), 105-109] (Russ.)

BISI 8601 (K. Styblo)

Evaluation methods for computing mean per unit pressure in primary rolling mills.

[Hutn. Listy, 1970, 25, (4), 239-46] (Cz)

BISI 8609 (H. G. Husken)

Computer control of hot strip mill.

[International Conference on Automation in Iron and Steelmaking, Intervention, Luxembourg/Dusseldorf, 1970, April, 5 pp]

BISI 8681 (K. Neuhoff and G. Pfeiffer)

Deformation-technological knowledge obtained during the operation of a continuous tube ro-

ling mill. [Stahl Eisen, 1970, 90, 16th Apr. 405-12](G)

BISI (V. M. Klimenko and A. M. Onishchenko)  
Strengthening during strip rolling with small deformations. [Izv. VUZ. Chern. Met., 1969, (11), 81-85](Russ.)

### Machinery, Machinig Machinability & Services for Iron and Steel Plant

BISI 8473 (P. Morisset)

Bearing steel grinding and its mechanism. [Strojirenstvi, 1970, 20, (4), 227-230](Cz)

BISI 8403 (G. Broersma)

Cost study on modern deep sea bulk materials unloading and handling centre. [Forderen Heben, 1969, 19, (15), 924-928](G)

### Welding

BISI 8985 (N. A. Grum-Gzhymailo)

Electric welding of spiral weld pipe in the soviet union. [Kohaszat, 1970, 103, (5), 199-203](Hung)

BISI 8452 (V. Pilous)

The structural stability of a welded joint of high temperature low-alloyed weld-metal and 12% Cr steel. [CSN 417126](Cz)

BISI 7619 (S. Horvath)

The metallurgy of filler metals and of welding the austenitic manganese chromium high-temperature steels. [Zvaranie, 1969, 18, (1), 25-32](Cz)

### Plating, Protective Coatings, Cleaning Pickling

BISI 8480 (P. Morisset)

Hard chromium-its industrial applications. [Techn. Mod., 1969, 61, Apr., 111-113](F)

BISI 8662 (A. Buch)

Influence of state of hard chromium deposits and of surface zone of substrate on fatigue strength of cast iron and steel components. [Metalloberflache, 1970, 24, 124-129](G)

BISI 8481 (F. Aigner and G. Jangg)

Electrolytic regeneration of spent sulphuric acid pickling solutions. [BHM, 1969, 114, Jan., 12-18](G)

BISI 8949 (Anon)

New process for cleaning flux baths in hot-dip galvanising plants. [Stahl Eisen, 1970, 90, (16), 880-881](G)

BISI 8729 (A. F. Bogenschutz and J. L. Jostan)

Magnetic alloy deposits for electronic memories (soft magnetic materials-thin film memories and soecial types of memories. [Galvanotechnik, 1970, 61, 362-376](G)

### Properties and Tests

BISI 8596 (V. Cihal and M. Zidek)

Hot-workability and corrosion resistance of steels of the 1Cr18Ni12Mo2Ti type. [Werkstoffe Kofr., 1970, 21, 171-182](G)

BISI 8900 (W. Wuich)

Simple method for determining the hardness and tensile strength of metallic materials. [Blech, 1970, 1, 21-22](G)

BISI 8763 [E. Koutsky)

Normal anisotropy and deep-drawability of

steel sheet. [Hutn Listy, 1970, 25, (7), 492-496](Cz)

BISI 8879 (V. N. Peretyat'ko and M. A. Zaikov)  
Ductility of carbon steels. [Izv. VUZ Chern Met., 1961, (6), 67-74](R)

BISI 8951 (F. N. Dunaev and S. N. Ivanchenko)  
Temperature dependence of specific losses in transformer steel. [Izv. VUZ. Fiz. (USSR), 1970, 155-6](R)

BISI 8984 (J. Lantzky, et al)

Nondestructive inspection of spirally welded steel pipe at the duna ironworks in Hungary. [Kohaszat. 1970, (103), 102-107](Hung)

BISI 8998 (Anon)

Cutting force test. [Prufblatter des Verins Deutscher Eisenhüttenleute Stahl-Eisenp-rufblatt 1168-52 1. Ausgabe Marz 1952](G)

BISI 8661 (A. Matting and U. Kruger)

Determination of the mechanical properties of cast iron at low temperatures. [Giesserei-forschung, 1970, 22, (1), 29-37](G)

BISI 8662 (A. Buch)

Influence of state of hard chromium deposits and of surface zone of substrate on fatigue strength of cast iron and steel components. [Metalloberflache, 1970, 24, 124-129](G)

BISI 8860 (F. Heisterkamp, et al.)

Effect of zirconium on the mechanical properties of unalloyed structural steels. [Thyssenforschung, 1970, 2, (1), 35-41](G)

BISI 8797 (S. Szymura and B. Wyslocki)

Measurement of magnetostriction a. c. magnetised transformer sheets. [Prace Inst. Hutn., 1969, 21, 175-182](Po)

BISI 8902 (M. J. Vinot)

The ralus method for ultrasonic testing of rails: actual value test. [Supplement to paper given by M. Beaujard journess Francaises du Rail, 1970, Sept.](F)

BISI 9001 (Anon)

Chip formation. [Prufblatter des Vereins Deutscher Eisenhüttenleute, Stahl-Eisen-Prufblatt 1178-52, 1. Ausgabe Marz 1952](G)

BISI 8929 (G.A.P.A.V.E.)

Ultrasonic testing and classification of heavy plates for certain categories of pressure vessel. [Groupement des Associations de Proprietaries D'Appareils A Vapeur et Electriques. 1964 edition,] (Specification No 31)

BISI 8954 (F. Heisterkamp, et al.)

Effect of zirconium on the toughness of weldable high-strength structural steels containing niobium or vanadium. [Stahl Eisen, 1970, 90, (22), 1255-62](G)

BISI 9061 (M. L. Beaujard)

Ultrasonic testing of rails; the ralus method. [Journes Francaise du Rail, 1970, Sept.](F)

BISI (V. V. Druzhinin, et al.)

The study of the magnetic and structural characteristics of cold rolled transformer steel with goss texture and low specific loss. [Izv. Akad. Nauk. SSSR. Ser. Fiz., 1970, 34,

- (2), 226-232] (R)  
 BISI 9117 (Anon)  
 Free cutting steels.  
 [German Standard DIN 1651 DK 669.15.018. 23, 1970, Apr.] (G)  
 BISI 8082 (O. Moravek)  
 New high-speed steels. [Strojirenska vyroba, 1968, 16, (9), 641-645] (Cz)  
 BISI 8451 (M. Hozmann)  
 Some aspects on failure of low-carbon steel under repeated loading.  
 [Kovove Mat., 1970, 8, (1), 31-46] (Cz)  
 BISI 8958 (H. Kiessier & H. Frober)  
 Steels for cold forming.  
 [4th International Cold Forging Conf. in Dusseldorf, 1970, Oct.] (G)  
 BISI 8785 (V. Dedek)  
 Hot formability of steel with 1.25%C.  
 [Hutn. Listy, 1970, 25, (7), 468-476] (Cz)  
**Clad Steel, Powder Metallurgy & Hardfacing**  
 BISI 9095 (Anon)  
 A new powder metallurgy process for the production of special steels.  
 [Stahl Eisen, 1970, 90, (19), 1046-1047] (G)  
 BISI 8916 (O. Ouida, et al.)  
 Experiments on stainless steel cladding of carbon steel tubes by electroslag melting and alloying. [Cerc. Met., 1965, 7, 157-169] (Rum)  
**Corrosion**  
 BISI 8731 (G. Herbsleb)  
 Behaviour of stainless steels and of nickel or zirconium alloys in the primary systems of nuclear power plants.  
 [V.G.B. Mitt., 1970, 50, Apr. 132-151] (G)  
 BISI 8603 (C. Lang, et al.)  
 Effect of the PH factor on stress corrosion of 18 Ni maraging steels in 3.5% sodium chloride solution. [Hutn. Listy, 1970, 25, (4), 254-258] (Cz)  
 BISI 8596 (V. Cihal and M. Zidek)  
 Hot-workability and corrosion resistance of steels of the 1Cr18Ni12Mo2Ti type.  
 [Werkstoffe Korrr., 1970, 21, 171-182] (G)  
**Metallography**  
 BISI 7548 (E. Hornbogen and H. Warlimont)  
 Metallography by means of electron transmission microscopy.  
 [Metall, 1963, (5 & 9), 437-445, 897-905] (G)  
 BISI 8237 (F. Jandos)  
 Fractography of hardened high-speed steel.  
 [Kovove Mat., 1969, (6), 510-524] (Cz)  
 BISI 8347 (K. Torsell and M. Olette)  
 Effects of the formatin of clusters on the elimination of alumina inclusions produced during the deoxidation of the liquid iron by aluminium. [Rev. Met., 1969, Dec., 813-822] (F)  
 BISI 8751 (V. Chaloupecky)  
 Dilatometric study of the phase transformation taking place during induction heating.  
 [Strojirenstvi, 1970, 20, (6), 368-371] (Cz)  
 BISI 7886 (A. Domsa et al.)  
 Austenitic grain growth in plain carbon steels at 700-1200°C. [Arch. Eisenh., 1969, 40, June, 489-492] (G)  
 BISI 8644 (P. Pahuta et al.)  
 Transmission electron microscopy of martensite of Fe-Ni and Fe-Ni-C alloys.  
 [Kovove Mat., 1970, 8, (2), 113-128] (Cz)  
 BISI 8845 (G. Wagner)  
 Theory of ageing of precipitates by re-solution. [Z. Elektrochemie, 1961, 65, (7/8), 581-91] (G)  
**Analysis**  
 BISI 8585 (J. M. Bourdieu, et al.)  
 IRSID' non-metallic standard specimens-1.  
 [Rev. Met., 1970, 67, Feb., 137-148] (F)  
 BISI 8798 (W. A. Fischer and G. Pateisky)  
 The suitability of solid metallic oxide mixtures as reference potentials in oxygen measuring cells. [Arch. Eisenh., 1970, July, 661-173] (G)  
 BISI 8801 (M. J. Higatsberger)  
 Spontaneous analysis in metallurgy using the prompt (N. Gamma) process.  
 [Radex-Rund., 1970, 3, 182-90] (G)  
**Miscellaneous**  
 BISI 8963 (K. Baumgartner)  
 Oxygen supply for iron and steel works.  
 [Stahl Eisen, 1969, 89, Jan. 23, 67-77] (G)  
 BISI 8872 (M. Desfachelles)  
 Real time production control project.  
 [Rev. Met. 1970, 67, Jan., 7-19] (F)  
 BISI 8689 (T. Hobler and R. Pawelozyk)  
 Formation of bubbles on bubbling gas through a horizontal slit. [Chemia Stosowana, 1967, 4, 4B, 453] (Po)  
 BISI 8532 (R. Gunther)  
 Stability and length of swirled flames with gas and air swirl. [Arch. Eisenh. 1970, 41, (3), 255-258] (G)  
 BISI 8876 (H. Braunisch)  
 Vibration damping by three-layer sandwich systems. [Acustica, 1969/70, 22, (3), 136-144] (G)  
**Economics and Statistics**  
 BISI 8852 (Anon)  
 Cost analysis in the steel industry.  
 [C.D.S. Circ., 1970, Jan, 249-278] (F)