

L 24271-66

ACC NR: AP6006991

sections of the transitions between the substates of the 1P_1 states.²
It is shown in particular that when the condition for adiabatic collisions is satisfied and the trajectories are assumed to be straight lines, the effective cross section for the transitions between the substates does not depend on the detailed form of the interaction forces, on the impact distance, and on the velocity. Solution of the kinetic equations for the density matrix of the 1P_1 state and allowance for the selection rules for dipole emission leads to simple formulas for the dependence of the fluorescence polarization on the density of the added gas. Methods of improving the accuracy of the theory are briefly discussed. The authors thank M. P. Chayka for continuous interest and discussions, and Yu. N. Demkov for valuable advice. Orig. art. has: 45 formulas.

SUB CODE: 20/ SUBM DATE: 21Dec64/ ORIG REF: 003/ OTH REF: 001

Card

2/2dda

REBEC, Z.

Action of radium upon storage batteries. Tesla no.11/12:26
Jl-Ag '55.

REBECKI, W.

Gospodarka Zbozowa - Vol. 6, no. 5, May 1955.
Campaign of grain purchasing is approaching. p. 1.

Why the flour mill in Sierpc questions the grain. p. 15.

SO: Monthly list of East European Accessions, (EEAL), LC, Vol. 4, No. 9, Sept. 1955
Uncl.

REBECSAK, S.

REBECSAK, S. Problems of quality in furniture production. p. 279. Vol. 4, no. 9, Sept. 1954. FAIPAR. Budapest, Hungary.

SOURCE: East European Accessions List (EEAL) Vol. 6, No. 4--April 1957

REPCSAY, S.

REPCSAY, S. Economical use of plywood. p. 322.

Vol. 5, No. 12, Dec. 1955.

ITIPAE.

TECHNICAL

Budapest, Hungary

See: East European Accession, Vol. 5, No. 5, May 1956

IONESCU-MUSCEL, I., prof. ing.; REBEDEA, C., ing.; COTIGARU, B., ing.;
RUICEA, Maria, ing.; STOIAN, Elena, ing.; NISTOR, N.; BAIETOIU, P.

Mixed cotton and flax duck for protection clothing. Ind tens
Ram 12 no.8:313-318 Ag'61.

IONESCU, Muscel, I., prof.; COTIGARU, B., lector; KELMER, I., lector;
REBEDEA, C., lector; MOLDOVAN, I., ing.; BORSATTI, M.;
IONESCU, Muscel-Ianculescu, M., ing.; GREAVU, V., ing.

Importance of the economist expert in the science of
commodities in the improvement and quality control of
products. Industria usoara 10 no.8:356-360 Ag '63.

GINGOLD, N.; VILCU, Al.; STOICHITA, S.; REBEDEA, D.; RUSSU, M.

Transitory changes or transformations in the clinical and hematological evolution of some leukoses. *Stud. cercet. med. intern.* 2 no.2: '61.

(LEUKEMIA, LYMPHOCYTIC complications)
(PLEURISY complications) (INFLUENZA complications)
(HODGKIN'S DISEASE case reports) (LEUKOCYTOSIS complications)

NICOLESCU, Zoe; URSU, Elena; REBEDEA, Tr.

Cancer in situ and pregnancy. Rumanian M Rev. no.4:75-79 C-D '60.
(CERVIX NEOPLASMS in pregnancy) (PREGNANCY complications)

SPIRCHEZ, T., prof.; GHEORGHESCU, B., dr.; OPROIU, Al., dr.; REBEDEA, D., dr.;
MERCULIEV, E., fizician; VASILESCU, V.V., fizician

Clinical considerations on chronic pancreatitis and the diagnostic
value of radioactive fat substances. Med. intern. 14 no.4:403-408
Ap '62.

(PANCREATITIS) (IODINE ISOTOPES, DIAGNOSTIC) (TRIOLEIN)
(OLEIC ACID) (BLOOD LIPIDS) (FECES)

SPIRCHEZ, T., prof.; GHEORGHESCU, B.; OPROIU, Al.; REBEDEA, D.; MERCULIEV, E.;
VASILESCU, V.V.

Clinical considerations on chronic pancreatitis and the diagnostic
value of radioactive fats. Rumanian med. rev. no.8:31-35 '62.
(PANCREATITIS) (FATS) (RADIOMETRY)

ANDRUCU, G., dr.; MEBLON, T., dr.; CHIRIACU, E., dr.; RASNA, I., dr.

Studies of blood reactivity in atherosclerosis after ingestion of folic acid labeled with ^{14}C . Med. intern. (Bucur.) 16 no.11: 1327-1332 N 161

1. Institute of Medicine in Cluj Napoca, a Spitalului unificat de boli inf. contagioase si boli ven. Revid. Institutul medicofarmaceutic, Bucuresti (directia prof. T. Spilchez).

BERNTHAL, I.; FAIBTS, A.; ROTARU, Natalia; NEGRU, Tr.; REBEDEA, Ileana;
MIRALCEA, Florica

Experimental poisoning with lead salts. (Functional and metabolic
changes after parenteral administration of lead acetate).
Stud. cercet. fiziol. 10 no.1:75-87 '65.

ISACESCU, Dimitrie A.; REBENDEA, Ingrid

Studies on surfural. Pt.28. Rev chimie Roum 10 no.3:245-255 Mr '65.

1. Laboratory of Physical Chemistry of Macromolecules, University of Bucharest. Submitted July 13, 1964.

ISACESCU, Dumitrie A.; REBEDEA, Ingrid

Studies in the furfural field. Pt.28. Studii cerc chim 14 no.3:
221-231 Mr '65.

1. Laboratory of Physical Chemistry of Macromolecules, University
of Bucharest, 13 Bld. Republicii. Submitted July 13, 1964.

References:

Short description of the Japanese Ironworks outline. p. 145. (Work
included in, Vol. 5, no. 3/4, Sept. 1954, Ljubljana, Yugoslavia)

See Monthly List of East European Acquisitions, (LAL), 10, Vol. 4, no. 4,
Apr 1951, Incl.

2-3

Carboxylic acid compounds as catalysts for active groups in organic molecules. R. T. RANK (Bull. Soc. Chim. Toulouse, 1958, 6, 76-81). The third necessary for attainment of max. conductivity σ after mixing COCl_2 or PhNO_2 solutions of hexamethyl-phosphoramide (HMP) and various β -acids varies from 0.04 for H_2SO_4 (0.005 M) to 55 hr. for $\text{OH}(\text{C}_2\text{H}_5)_2$ (0.1 M). For carboxylic acids σ varies from 500 min. for malic to 2000 min. for glutaric acid. The value of σ is independent of the P_0 of the given acid. Various org. halides react as β -acids with (I), the σ - τ curves being similar to those obtained with carboxylic acids in the case of OPh_2Cl and to that given with (II) in the case of picryl chloride, $\text{C}_6\text{H}_5\text{Cl}$, and $\text{C}_2\text{H}_5\text{Cl}$; in the latter cases, the reaction is one of zero order.

R. T.

ASB-SLA METALLURGICAL LITERATURE CLASSIFICATION

GROUPS

1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	32	33	34	35	36	37	38	39	40	41	42	43	44	45	46	47	48	49	50	51	52	53	54	55	56	57	58	59	60	61	62	63	64	65	66	67	68	69	70	71	72	73	74	75	76	77	78	79	80	81	82	83	84	85	86	87	88	89	90	91	92	93	94	95	96	97	98	99	100
---	---	---	---	---	---	---	---	---	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	-----

A-3

Combinations among certain dye radicals. M. RYBAK (Coll. Czech. Chem. Comm., 1931, 3, 155-170).—The interactions of 2:4:2':4':2'':4''-hexanitrotriphenylmethane and 2:4:6:2':4':6'-hexanitrodiphenylamine with the base of crystal-violet in acetone and nitrobenzene solutions, of piperidine with hexanitrotriphenylmethane, and of *p*-nitrodiphenylamine with the base of crystal-violet in acetone have been followed by conductivity measurements. The compounds: hexanitrotriphenylmethane—crystal-violet base+3 mols. acetone and hexanitrodiphenylamine—crystal-violet base+1 mol. acetone, which are considered to be true dye salts, were isolated. These compounds (free from acetone) exhibited identical absorption spectra in the yellow and green.

J. D. A. JOHNSON.

A 15-514 METALLURGICAL LITERATURE CLASSIFICATION

1ST AND 2ND COLUMNS PROCESSES AND PROPERTIES INDEX 3RD AND 4TH COLUMNS

BC *A-1*

New theory of chemical compounds. M. REBER (Coll. Czech. Chem. Comm., 1933, 5, 36-48).—The theory is based on the electronic conception of the atom. The system distinguishes between polar and non-polar combination, but avoids the use of those secondary valencies the nature and application of which are not clear.

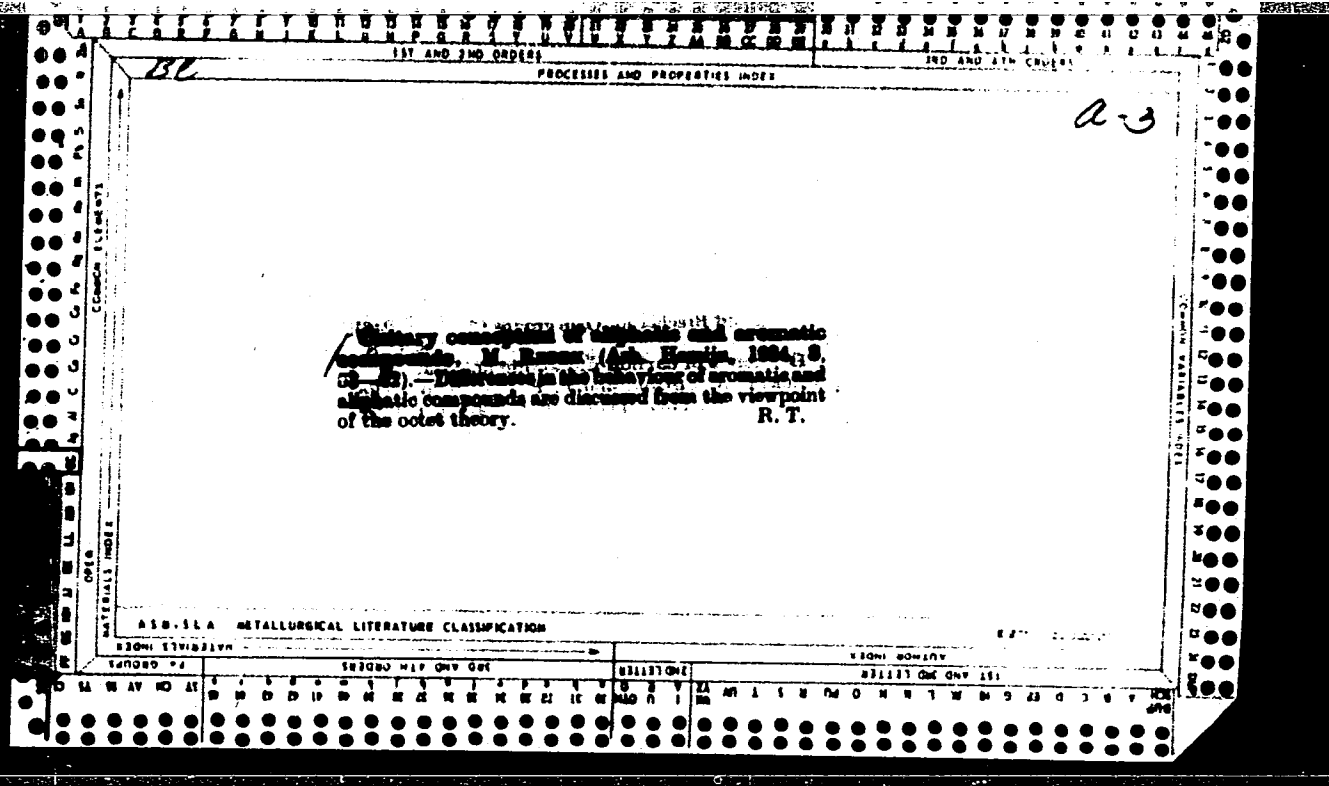
M. S. B.

MATERIALS NOTE METALLURGICAL LITERATURE CLASSIFICATION AUTHOR INDEX

GROUP 1ST AND 2ND COLUMNS 3RD AND 4TH COLUMNS LETTERS

3

Induction vs. electron displacement. M. Rebek (Tech. Hochschule, Graz, Austria). *Monatsh.* **83**, 144-50 (1952).
By induction effect (in this paper) is meant an alternation in polarity of the atoms along a chain due to the alternate stabilization and loosening of octets. By electron displacement is meant the transmitted polarization of the bonds along the chain, all in the same sense. By making certain quant. assumptions about the sharing of binding electron pairs, alternating polarity is predicted without explicit recourse to the concept of octet stabilization. J. E. L.



PROPERTIES AND REACTIONS WITH

Organic pseudo compounds as reagents for active atoms in organic molecules. *Maxio Rebeck. Bull. soc. chim. roy. Yungoslov. 4, 79-83 (in German 83-4) (1933); cf. C. A. 28, 221.* — The time t necessary for attainment of max. cond. α after mixing COMe_2 or PhNO_2 solns. of hexamethyl-para-titaniline (I) and various pseudo acids varies from 0 for $\text{NH}[\text{C}_6\text{H}_4(\text{NO}_2)_2]$ to 55 hrs. for $\text{CH}_3\text{C}_6\text{H}_4(\text{NO}_2)_2$ (II); for carboxylic acids t varies from 388 min. for maleic to 2052 min. for glutaric acid. The values of t are independent of the P_0 of the given acid. Various organohalides react as pseudo acids with I, the α - t curves being similar to those obtained with carboxylic acids in the case of $\text{C}_6\text{H}_5\text{Cl}$, and to that given with II in the case of picryl chloride, $\text{C}_6\text{H}_5\text{Cl}$ and $\text{C}_6\text{H}_5\text{Cl}$; in the latter cases, the reaction is one of zero order. H. C. A.

AS B 3 L A METALLURGICAL LITERATURE CLASSIFICATION

1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	32	33	34	35	36	37	38	39	40	41	42	43	44	45	46	47	48	49	50	51	52	53	54	55	56	57	58	59	60	61	62	63	64	65	66	67	68	69	70	71	72	73	74	75	76	77	78	79	80	81	82	83	84	85	86	87	88	89	90	91	92	93	94	95	96	97	98	99	100
---	---	---	---	---	---	---	---	---	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	-----

118 12

PROCESSES AND PROPERTIES INDEX

A more unitary representation of aliphatic and aromatic compounds. Marius Rebeck. *Archiv Hem. Farm.* 8, 53-62 (in German 62) (1934).--By use of the octet theory in a simplified form the principle of induced polarity is applied to a more unitary conception of org. phenomena.

F. Kučera

ASAC-SLA METALLURGICAL LITERATURE CLASSIFICATION

1934-1939

1940-1944

1945-1949

1950-1954

1955-1959

1960-1964

1965-1969

1970-1974

1975-1979

1980-1984

1985-1989

1990-1994

1995-1999

2000-2004

2005-2009

2010-2014

2015-2019

2020-2024

2025-2029

2030-2034

2035-2039

2040-2044

2045-2049

2050-2054

2055-2059

2060-2064

2065-2069

2070-2074

2075-2079

2080-2084

2085-2089

2090-2094

2095-2099

2100-2104

2105-2109

2110-2114

2115-2119

2120-2124

2125-2129

2130-2134

2135-2139

2140-2144

2145-2149

2150-2154

2155-2159

2160-2164

2165-2169

2170-2174

2175-2179

2180-2184

2185-2189

2190-2194

2195-2199

2200-2204

2205-2209

2210-2214

2215-2219

2220-2224

2225-2229

2230-2234

2235-2239

2240-2244

2245-2249

2250-2254

2255-2259

2260-2264

2265-2269

2270-2274

2275-2279

2280-2284

2285-2289

2290-2294

2295-2299

2300-2304

2305-2309

2310-2314

2315-2319

2320-2324

2325-2329

2330-2334

2335-2339

2340-2344

2345-2349

2350-2354

2355-2359

2360-2364

2365-2369

2370-2374

2375-2379

2380-2384

2385-2389

2390-2394

2395-2399

2400-2404

2405-2409

2410-2414

2415-2419

2420-2424

2425-2429

2430-2434

2435-2439

2440-2444

2445-2449

2450-2454

2455-2459

2460-2464

2465-2469

2470-2474

2475-2479

2480-2484

2485-2489

2490-2494

2495-2499

2500-2504

2505-2509

2510-2514

2515-2519

2520-2524

2525-2529

2530-2534

2535-2539

2540-2544

2545-2549

2550-2554

2555-2559

2560-2564

2565-2569

2570-2574

2575-2579

2580-2584

2585-2589

2590-2594

2595-2599

2600-2604

2605-2609

2610-2614

2615-2619

2620-2624

2625-2629

2630-2634

2635-2639

2640-2644

2645-2649

2650-2654

2655-2659

2660-2664

2665-2669

2670-2674

2675-2679

2680-2684

2685-2689

2690-2694

2695-2699

2700-2704

2705-2709

2710-2714

2715-2719

2720-2724

2725-2729

2730-2734

2735-2739

2740-2744

2745-2749

2750-2754

2755-2759

2760-2764

2765-2769

2770-2774

2775-2779

2780-2784

2785-2789

2790-2794

2795-2799

2800-2804

2805-2809

2810-2814

2815-2819

2820-2824

2825-2829

2830-2834

2835-2839

2840-2844

2845-2849

2850-2854

2855-2859

2860-2864

2865-2869

2870-2874

2875-2879

2880-2884

2885-2889

2890-2894

2895-2899

2900-2904

2905-2909

2910-2914

2915-2919

2920-2924

2925-2929

2930-2934

2935-2939

2940-2944

2945-2949

2950-2954

2955-2959

2960-2964

2965-2969

2970-2974

2975-2979

2980-2984

2985-2989

2990-2994

2995-2999

3000-3004

3005-3009

3010-3014

3015-3019

3020-3024

3025-3029

3030-3034

3035-3039

3040-3044

3045-3049

3050-3054

3055-3059

3060-3064

3065-3069

3070-3074

3075-3079

3080-3084

3085-3089

3090-3094

3095-3099

3100-3104

3105-3109

3110-3114

3115-3119

3120-3124

3125-3129

3130-3134

3135-3139

3140-3144

3145-3149

3150-3154

3155-3159

3160-3164

3165-3169

3170-3174

3175-3179

3180-3184

3185-3189

3190-3194

3195-3199

3200-3204

3205-3209

3210-3214

3215-3219

3220-3224

3225-3229

3230-3234

3235-3239

3240-3244

3245-3249

3250-3254

3255-3259

3260-3264

3265-3269

3270-3274

3275-3279

3280-3284

3285-3289

3290-3294

3295-3299

3300-3304

3305-3309

3310-3314

3315-3319

3320-3324

3325-3329

3330-3334

3335-3339

3340-3344

3345-3349

3350-3354

3355-3359

3360-3364

3365-3369

3370-3374

3375-3379

3380-3384

3385-3389

3390-3394

3395-3399

3400-3404

3405-3409

3410-3414

3415-3419

3420-3424

3425-3429

3430-3434

3435-3439

3440-3444

3445-3449

3450-3454

3455-3459

3460-3464

3465-3469

3470-3474

3475-3479

3480-3484

3485-3489

3490-3494

3495-3499

3500-3504

3505-3509

3510-3514

3515-3519

3520-3524

3525-3529

3530-3534

3535-3539

3540-3544

3545-3549

3550-3554

3555-3559

3560-3564

3565-3569

3570-3574

3575-3579

3580-3584

3585-3589

3590-3594

3595-3599

3600-3604

3605-3609

3610-3614

3615-3619

3620-3624

3625-3629

3630-3634

3635-3639

3640-3644

3645-3649

3650-3654

3655-3659

3660-3664

3665-3669

3670-3674

3675-3679

3680-3684

3685-3689

3690-3694

3695-3699

3700-3704

3705-3709

3710-3714

3715-3719

3720-3724

3725-3729

3730-3734

3735-3739

3740-3744

3745-3749

3750-3754

3755-3759

3760-3764

3765-3769

3770-3774

3775-3779

3780-3784

3785-3789

3790-3794

3795-3799

3800-3804

3805-3809

3810-3814

3815-3819

3820-3824

3825-3829

3830-3834

3835-3839

3840-3844

3845-3849

3850-3854

3855-3859

3860-3864

3865-3869

3870-3874

3875-3879

3880-3884

3885-3889

3890-3894

3895-3899

3900-3904

3905-3909

3910-3914

3915-3919

3920-3924

3925-3929

3930-3934

3935-3939

3940-3944

3945-3949

3950-3954

3955-3959

3960-3964

3965-3969

3970-3974

3975-3979

3980-3984

3985-3989

3990-3994

3995-3999

4000-4004

4005-4009

4010-4014

4015-4019

4020-4024

4025-4029

4030-4034

4035-4039

4040-4044

4045-4049

4050-4054

4055-4059

4060-4064

4065-4069

4070-4074

4075-4079

4080-4084

4085-4089

4090-4094

4095-4099

4100-4104

4105-4109

4110-4114

4115-4119

4120-4124

4125-4129

4130-4134

4135-4139

4140-4144

4145-4149

4150-4154

4155-4159

4160-4164

4165-4169

4170-4174

4175-4179

4180-4184

4185-4189

4190-4194

4195-4199

4200-4204

4205-4209

4210-4214

4215-4219

4220-4224

4225-4229

4230-4234

4235-4239

4240-4244

4245-4249

4250-4254

4255-4259

4260-4264

4265-4269

4270-4274

4275-4279

4280-4284

4285-4289

4290-4294

4295-4299

4300-4304

4305-4309

4310-4314

4315-4319

4320-4324

4325-4329

4330-4334

4335-4339

4340-4344

4345-4349

4350-4354

4355-4359

4360-4364

4365-4369

4370-4374

4375-4379

4380-4384

4385-4389

4390-4394

4395-4399

4400-4404

4405-4409

4410-4414

4415-4419

4420-4424

4425-4429

4430-4434

4435-4439

4440-4444

4445-4449

4450-4454

4455-4459

4460-4464

4465-4469

4470-4474

4475-4479

4480-4484

4485-4489

4490-4494

4495-4499

4500-4504

4505-4509

4510-4514

4515-4519

4520-4524

4525-4529

4530-4534

4535-4539

4540-4544

4545-4549

4550-4554

4555-4559

4560-4564

4565-4569

4570-4574

4575-4579

4580-4584

4585-4589

4590-4594

4595-4599

4600-4604

4605-4609

4610-4614

4615-4619

4620-4624

4625-4629

4630-4634

4635-4639

4640-4644

4645-4649

4650-4654

4655-4659

4660-4664

4665-4669

4670-4674

4675-4679

4680-4684

4685-4689

4690-4694

4695-4699

4700-4704

4705-4709

4710-4714

4715-4719

4720-4724

4725-4729

4730-4734

4735-4739

4740-4744

4745-4749

4750-4754

4755-4759

4760-4764

4765-4769

4770-4774

4775-4779

4780-4784

4785-4789

4790-4794

4795-4799

4800-4804

4805-4809

4810-4814

4815-4819

4820-4824

4825-4829

4830-4834

4835-4839

4840-4844

4845-4849

4850-4854

4855-4859

4860-4864

4865-4869

4870-4874

4875-4879

4880-4884

4885-4889

4890-4894

4895-4899

4900-4904

4905-4909

4910-4914

4915-4919

4920-4924

4925-4929

4930-4934

4935-4939

4940-4944

4945-4949

4950-4954

4955-4959

4960-4964

4965-4969

4970-4974

4975-4979

4980-4984

4985-4989

4990-4994

4995-4999

5000-5004

5005-5009

5010-5014

5015-5019

5020-5024

5025-5029

5030-5034

5035-5039

5040-5044

5045-5049

5050-5054

5055-5059

5060-5064

5065-5069

5070-5074

5075-5079

5080-5084

5085-5089

5090-5094

5095-5099

5100-5104

5105-5109

5110-5114

5115-5119

5120-5124

5125-5129

5130-5134

5135-5139

5140-5144

5145-5149

5150-5154

5155-5159

5160-5164

5165-5169

5170-5174

5175-5179

5180-5184

5185-5189

5190-5194

5195-5199

5200-5204

5205-5209

5210-5214

5215-5219

5220-5224

5225-5229

5230-5234

5235-5239

5240-5244

5245-5249

5250-5254

5255-5259

5260-5264

5265-5269

5270-5274

5275-5279

5280-5284

5285-5289

5290-5294

5295-5299

5300-5304

5305-5309

5310-5314

5315-5319

5320-5324

5325-5329

5330-5334

5335-5339

5340-5344

5345-5349

5350-5354

5355-5359

5360-5364

5365-5369

5370-5374

5375-5379

5380-5384

5385-5389

5390-5394

5395-5399

5400-5404

5405-5409

5410-5414

5415-5419

5420-5424

5425-5429

5430-5434

5435-5439

5440-5444

5445-5449

5450-5454

5455-5459

5460-5464

5465-5469

5470-5474

5475-5479

5480-5484

5485-5489

5490-5494

5495-5499

5500-5504

5505-5509

5510-5514

5515-5519

5520-5524

5525-5529

5530-5534

5535-5539

5540-5544

5545-5549

5550-5554

5555-5559

5560-5564

5565-5569

5570-5574

5575-5579

5580-5584

5585-5589

5590-5594

5595-5599

5600-5604

5605-5609

5610-5614

5615-5619

5620-5624

5625-5629

5630-5634

5635-5639

5640-5644

5645-5649

5650-5654

5655-5659

5660-5664

5665-5669

5670-5674

5675-5679

5680-5684

5685-5689

5690-5694

5695-5699

5700-5704

5705-5709

5710-5714

5715-5719

5720-5724

5725-5729

5730-5734

5735-5739

5740-5744

5745-5749

5750-5754

5755-5759

5760-5764

5765-5769

5770-5774

5775-5779

5780-5784

5785-5789

5790-5794

5795-5799

5800-5804

5805-5809

5810-5814

5815-5819

5820-5824

5825-5829

5830-5834

5835-5839

5840-5844

5845-5849

5850-5854

5855-5859

5860-5864

5865-5869

5870-5874

5875-5879

5880-5884

5885-5889

5890-5894

5895-5899

5900-5904

5905-5909

5910-5914

5915-5919

5920-5924

5925-5929

5930-5934

5935-5939

5940-5944

5945-5949

5950-5954

5955-5959

5960-5964

5965-5969

5970-5974

5975-5979

5980-5984

5985-5989

5990-5994

5995-5999

6000-6004

6005-6009

6010-6014

6015-6019

6020-6024

6025-6029

6030-6034

6035-6039

6040-6044

6045-6049

6050-6054

6055-6059

6060-6064

6065-6069

6070-6074

6075-6079

6080-6084

6085-6089

6090-6094

6095-6099

6100-6104

6105-6109

6110-6114

6115-6119

6120-6124

6125-6129

6130-6134

6135-6139

6140-6144

6145-6149

6150-6154

6155-6159

6160-6164

6165-6169

6170-6174

6175-6179

6180-6184

6185-6189

6190-6194

6195-6199

6200-6204

6205-6209

6210-6214

6215-6219

6220-6224

6225-6229

6230-6234

6235-6239

6240-6244

6245-6249

6250-6254

6255-6259

6260-6

PROCESSES AND PROPERTIES INDEX

2

CA

Pseudo bases and compounds with reactive groups. Conductivity changes in systems of crystal violet base and carboxylic acids. Marius Rehak and George Mandrino. *Collection Czechoslov. Chem. Communications* 3, 317-30 (1933); cf. *C. A.* 25, 2091.—The rate of change of the pseudo base of crystal violet to the real base as detd. by the change of cond. of Me₂CO solns. was studied. The method at present has many drawbacks, chief of which is the difficulty in getting reproducible results. In all cases 5 cc. of 0.005 N pseudo base and 5 cc. of 0.005 M acid in Me₂CO were placed in a cond. cell and measurements taken from time to time. With the fatty acids contg. an even no. of C atoms up to C₁₂, the sp. cond. rose from 10⁻⁸ to 5 to 7 × 10⁻⁸ mhos in 30 hrs.; with benzoic acid it rose to 3 × 10⁻⁸; with glutaric acid to 3.5 × 10⁻⁸; with fumaric acid to 9 × 10⁻⁸ in 25 hrs.; with succinic acid to 1.1 × 10⁻⁸; and with maleic, malonic and oxalic acids it rose to 1.6 × 10⁻⁸ in a short time. J. E. M.

METALLURGICAL LITERATURE CLASSIFICATION

E-Z

1ST AND 2ND LETTERS

3RD AND 4TH LETTERS

5TH AND 6TH LETTERS

7TH AND 8TH LETTERS

9TH AND 10TH LETTERS

11TH AND 12TH LETTERS

13TH AND 14TH LETTERS

15TH AND 16TH LETTERS

17TH AND 18TH LETTERS

19TH AND 20TH LETTERS

21ST AND 22ND LETTERS

23RD AND 24TH LETTERS

25TH AND 26TH LETTERS

27TH AND 28TH LETTERS

29TH AND 30TH LETTERS

31ST AND 32ND LETTERS

33RD AND 34TH LETTERS

35TH AND 36TH LETTERS

37TH AND 38TH LETTERS

39TH AND 40TH LETTERS

41ST AND 42ND LETTERS

43RD AND 44TH LETTERS

45TH AND 46TH LETTERS

47TH AND 48TH LETTERS

49TH AND 50TH LETTERS

51ST AND 52ND LETTERS

53RD AND 54TH LETTERS

55TH AND 56TH LETTERS

57TH AND 58TH LETTERS

59TH AND 60TH LETTERS

61ST AND 62ND LETTERS

63RD AND 64TH LETTERS

65TH AND 66TH LETTERS

67TH AND 68TH LETTERS

69TH AND 70TH LETTERS

71ST AND 72ND LETTERS

73RD AND 74TH LETTERS

75TH AND 76TH LETTERS

77TH AND 78TH LETTERS

79TH AND 80TH LETTERS

81ST AND 82ND LETTERS

83RD AND 84TH LETTERS

85TH AND 86TH LETTERS

87TH AND 88TH LETTERS

89TH AND 90TH LETTERS

91ST AND 92ND LETTERS

93RD AND 94TH LETTERS

95TH AND 96TH LETTERS

97TH AND 98TH LETTERS

99TH AND 100TH LETTERS

PROCESSES AND PROPERTIES INDEX

ca

Pseudo bases and compounds with reactive groups. Conductivity changes in systems of crystal violet base and carboxylic acids. Marius Rebeck and George Mandrino. *Collection Czechoslov. Chem. Communications* 5, 317-30 (1939); cf. *C. A.* 25, 2001. The rate of change of the pseudo base of crystal violet to the real base as detd. by the change of cond. of Me₂CO solns. was studied. The method at present has many drawbacks, chief of which is the difficulty in getting reproducible results. In all cases 5 cc. of 0.005 N pseudo base and 5 cc. of 0.005 N acid in Me₂CO were placed in a cond. cell and measurements taken from time to time. With the fatty acids contg. an even no. of C atoms up to C₁₆ the sp. cond. rose from 10⁻⁶ to 5 to 7 × 10⁻⁶ mhos in 30 hrs.; with benzoic acid it rose to 3 × 10⁻⁶; with glutaric acid to 3.5 × 10⁻⁶; with fumaric acid to 9 × 10⁻⁶ in 25 hrs.; with succinic acid to 1.1 × 10⁻⁶; and with maleic, malonic and oxalic acids it rose to 1.0 × 10⁻⁶ in a short time. J. E. M.

7

ASTM 31.4 - METALLURGICAL LITERATURE CLASSIFICATION

PROCEDURE AND PROPERTY MODE

A-1

Formic acids and compounds with reactive groups. Conductivity changes in systems of crystal-violet base and carboxylic acids. R. Ruzic and G. Mazzuca (Coll. Czech. Chem. Comm., 1963, 28, 317-320).—The velocity of salt-formation in systems of the type crystal-violet base-org. acid, $\text{C}_6\text{H}_5\text{COOH}$, at 25° has been determined nonstoichiometrically. In general, the velocity is the higher the stronger is the acid. Discrepancies are attributed to the fact that the vals. taken for the dissociation consts. of the acids refer to aq. solutions. Data, including conductivities of COOH_2 solutions, are given for the even fatty acids up to C_{18} , the dicarboxylic acids up to C_8 , and for fumaric, maleic, and benzoic acids.

D. R. D.

METALLURGICAL LITERATURE CLASSIFICATION

REBEKO, A.F.

Zonal parameters of the control of indirect and direct reduction
processes in blast furnaces. Sbor. trud. TSNRICHM no.29:24-31
'63. (MIRA 17:4)

SOROKIN, V.A., prof., doktor tekhn. nauk; REBEKO, A.F., red.;
GOLYATKINA, A.G., red.izd-va; EN'YAKOVA, G.M.,
tekhn. red.

[Fully automated blast furnaces] Kompleksnaia avtomati-
zatsiia domennykh pechei. Moskva, Metallurgizdat,
1963. 279 p. (MIRA 17:2)

OSTROUKHOV, Mark Yakovlevich; REBEKO, A.F., red.; YABLONSKAYA, L.V.,
red.izd-va; KARASEV, A.I., tekhn.red.

[Saving of coke in blast furnaces] Ekonomia koksa v domennoi
plavke. Moskva, Gos.nauchno-tekhn.izd-vo lit-ry po chernoi i
tsvetnoi metallurgii, 1960. 142 p. (MIRA 13:6)
(Coke) (Blast furnaces)

REBEL'SKIY, A. V.

DECEASED

1963/1

c. 1962

FORGING

SEE ILC

AL'PEROVICH, Yu.; REBEL'SKIY, S.

New generation of tractors. Tekh.mol. 28 no.11:5-7 '60.
(MIRA 13:12)

(Tractors)

OSIPOV, A. I., KOZHEVNIKOV, I. Yu., IUDIN, V. Ye., SAZANOV, M. L., BUL'SKIY, M. T.,
ALIMOV, A. G., SKREBTSOV, A. M. and REBENKO, A. F.

TITLE: A New Method for Speedy Analysis of Slag for Phosphorus by Means of Radioactive
Means of Radioactive Tracers (Novyy metod ekspress-analiza shlaka na fosfor
s primeneniym radioaktivnykh indikatorov)

PERIODICAL: V sb.: Fiz.-khim. osnovy proiz-va stali. Moscow, AN SSSR, 1957, pp 82-93
Diskus. pp 160-187.

ABSTRACT: A method has been developed for speedy analysis of slag for P₂O₅ by means
of radioactive P(I). The analysis requires 5-7 min. The method is accurate to within
5-6 percent (rel.). The consumption of material is 0.04-0.05 millicurie per to of metal.
To determine P₂O₅, I is introduced into the heat in a mixture with powdered Fe. The
mixture is placed in a Cu ampoule and the I with the Fe form Ferrophosphorus during
the period of heating and fusion. This then undergoes uniform dissemination throughout
the volume of the heat. Determination of P₂O₅ by radiometry requires one tagged sample
in which the P₂O₅ is determined chemically. A graph showing determination of P₂O₅ by radio-
metry as compared with the data of chemical analysis is presented. The employ-ment of
radiometric analysis of slag for P₂O₅ makes it possible to take and analyze a large
number of samples of slag in the course of a heat.

1. Slag analysis--Processes.

ANASTAS'IN, V.F.; ARAKELOV, A.S.; BOBROV, A.L.; VIKHOREV, Yu.V.; VIL'DER, S.I.; GLUSHKO, I.K.; GOKUN, A.M.; PIN'KOVSKIY, Ya.I.; PASHKOV, N.D.; RYABUKHA, G.K.; REBENKO, G.S.; SMUROV, Fedor Pavlovich; SOSKIND, D.M.; SAMSONOV, B.A.; SEMENOV, A.B.; SULEYMANOV, A.B.; KHARLAMOV, A.A.; TSAR'KOV, B.N.; SHIFRIN, D.L.; SHEYNMAN, V.I.; ABAKUMOVSKIY, Dmitriy Dmitriyevich, red.toma; SVYATITSKAYA, K.P., vedushchiy red.; TROFIMOV, A.V., tekhn.red.

[Petroleum equipment; in six volumes] Neftianoe oborudovanie; v shesti tomakh. Moskva, Gos.nauchno-tekhn.izd-vo neft. i gorno-toplivnoi lit-ry. Vol.4. 1959. 294 p. (MIRA 12:9)
(Petroleum refineries--Equipment and supplies)

REBENKO, N. L.

B. V. ILIN, Ann. inst. anal. phys.-chim, 6, 91-6, 1933

REBENKOVA, M. V.

USSR/Diseases of Farm Animals. Diseases Caused by
Bacteria and Fungi.

R-1

Abs Jour: Ref. Zhur-Biol., No 18, 1958, 83522

Author : Ivanov, M. N., Rebenkova, M. V.
Inst : State Scientific Control Institute of Veterinary
Preparations.

Title : Mastering the Production of Dried Strain No 19
Brucella Vaccine.

Orig Pub: Tr. Gos. nauchno-kontrol'n. in-ta vet. preparatov,
1957, 7, 20-25

Abstract: No abstract is given

Card 1/1

KAGAN, B.A.; REBENCK, S.P.

Preliminary calculation of heat balance components of the surface
of the Norwegian Sea. Trudy Len. gidromet. inst. no.17:72-88 '64.
(MIRA 18:6)

SAVITSKIY, K.V.; ZAGREBENNIKOVA, M.P.; REBENOK, V.F.

Effect of the dispersity of CuAl_2 inclusions on the behavior of duralumin under conditions of deformation with variations in the testing temperature. *Izv. vys. ucheb. zav.; fiz. no. 1:168-170* '60. (MIRA 13:12)

1. Sibirskiy fiziko-tekhnicheskiy institut pri Tomskom gosudarstvennom universitete imeni V.V. Kuybysheva.
(Duralumin)

69454

18,8100

S/139/60/000/01/029/041

AUTHORS: Savitskiy, K.V., Zagrebennikova, M.P. and Rebenok, V.F.

E073/E535

TITLE: Influence of the Degree of Dispersion of CuAl_2 Inclusions on the Behaviour of Duralumin Under Conditions of Deformation with a Variable Test Temperature

PERIODICAL: Izvestiya vysshikh uchebnykh zavedeniy. Fizika. 1960, Nr 1, pp 168 - 170 (USSR)

ABSTRACT: In an earlier paper (Ref 2) the authors studied the influence of the degree of dispersion of CuAl_2 inclusions on the temperature and the speed dependence of the mechanical properties of duralumin under conditions of simple compression; they found that the dimension and the distribution of particles of the second phase show a considerable influence on the slip process. The present paper is devoted to the study of the behaviour of duralumin D1 with various degrees of dispersion of the hard CuAl_2 particles under conditions of variable test temperatures during deformation. It was anticipated that under such complicated conditions of deformation the advantages of a given structure should manifest themselves

Card1/5

4

59454

S/139/60/000/01/029/041

Influence of the Degree of Dispersion of CuAl_2 Inclusions on the Behaviour of Duralumin Under Conditions of Deformation with a Variable Test Temperature

most clearly. Also such investigations may yield additional information for verifying the correctness of the mechanical equalisation of the state for alloys, namely, they may indicate the role of secondary processes during deformation of the alloy under such conditions. Such investigations are of practical interest from the point of view of aviation, since duralumin aircraft components are required to work under a variety of conditions, including considerable temperature variations. The aim of the work described in this paper was to investigate the behaviour of duralumin in various states, differing from each other in the degree of dispersion of the CuAl_2 particles, under conditions of changing temperature. The degrees of dispersion were as follows: I = average particle distance $r = 0.8 \mu$; II = average distance between the particles $r = 1.1 \mu$; III = average distance between the particles $r = 1.5 \mu$ and IV = average distance between the particles $r = 2.2 \mu$. In earlier work (Ref 2)

Card2/5

69454

S/139/60/000/01/029/041

Influence of the Degree of Dispersion of CuAl_2 Inclusions on the Behaviour of Duralumin Under Conditions of Deformation with a Variable Test Temperature

it was found that the most metastable material is duralumin with IV-th degree dispersion, whilst the metastability of the material with degrees I, II and III of dispersion is slight and approximately the same. The authors investigated the effects of the following temperature variations during compression:

- 1) $-80 \rightarrow 20 \rightarrow 155$ °C; 2) $20 \rightarrow -80 \rightarrow 155$ °C;
3) $155 \rightarrow 20 \rightarrow -80$ °C; 4) $20 \rightarrow 155 \rightarrow -80$ °C.

The changes in the test temperature were achieved as follows: at the temperature T_1 the specimen was compressed by 10%, relieved of the load and placed into a second sleeve which had the required temperature T_2 and again compressed a further 10%; the last reduction step of the specimens was effected in a third sleeve with the temperature T_3 in the working space; thereby the deformation speed was 0.17 mm/min. For obtaining each of the curves, 5 specimens were deformed under the conditions of a given temperature change. the maximum deviation from the average value of σ was 1-2% or 0.3 - 0.6 kg/mm². The

Card3/5

69454

S/139/60/000/01/029/041

Influence of the Degree of Dispersion of ^{E073/E335} CuAl_2 Inclusions on the Behaviour of Duralumin Under Conditions of Deformation with a Variable Test Temperature

obtained results indicate that in many cases for duralumin, which in the θ -solid solution has hard inclusions of various sizes, definite relations can be observed in the characteristics of the flow curves, which are similar to those obtained by other authors in tensile tests with pure metals. Figure 1 is a plot of the flow curves of duralumin of the degree of dispersion II during compression under conditions of temperature variations: $-80 \rightarrow 20 \rightarrow 155^\circ\text{C}$. The full dots indicate values measured in the case of continuous compression; the circles indicate the values obtained in the case of compression under conditions of changing temperature. Figure 2 shows similar curves for duralumin with the degree of dispersion IV in the case of compression with a temperature changing from $155 \rightarrow 20 \rightarrow -80^\circ\text{C}$. The results show that the degree of dispersion of the solid inclusions has a definite influence on the characteristics of the flow curves in tests under changing

Card4/5

4

69454

S/159/60/000/01/029/041
E073/E335

Influence of the Degree of Dispersion of CuAl_2 Inclusions on the Behaviour of Duralumin Under Conditions of Deformation with a Variable Test Temperature

temperature conditions. Additional ageing of the alloy during deformation at elevated temperature (155°C) can lead to a deviation from the regular shape of the flow curves established by a number of authors during testing of pure metals. There are 2 figures and 5 references. 1 of which is international, 1 English and 3 Soviet.

ASSOCIATION: Sibirskiy fiziko-tekhnicheskiy institut pri Tomskom gosuniversitete imeni V.V. Kuybysheva (Siberian Physico-technical Institute of Tomsk State University imeni V.V. Kuybyshev)

SUBMITTED: August 3, 1959

4

Card5/5

YEFIMOV, A.L.; REBENKOVA, A.I., redaktor; PETRUSHKO, Ye.I., tekhnicheskiy redaktor.

[Brief guide to the use of poisons for the control of pests and diseases of plants] Kratkii spravochnik po primeneniiu iadov dlia bor'by s vrediteliami i bolezniami rastenii. Moskva, Gos. izd-vo selkhoz. lit-ry, 1954. 159 p. [Microfilm] (MLRA 7:12)

(Plants, Protection of) (Pesticides) (Insecticide)

REBEROK. G. S.

Ognevaia otrezka pribylei v bol'shikh otlivkakh iz nerzhavaiushchei stali pri 1000°. (Vestn. Mash., 1948, no. 6, p. 47-48)

Flame cutting of heads of large stainless-steel castings at 1000°.

DLC: TN4.V4

SO: Manufacturing and Mechanical Engineering in the Soviet Union, Library of Congress, 1953.

KAGAN, B.A.; REBENOK, S.P.

Method of calculating stationary currents in case of unstable atmospheric stratification. Okeanologiya 1 no.6:1003-1006 '61.
(MIRA 15:1)

1. Leningradskiy gidrometeorologicheskii institut.
(Ocean currents)

REBENOK. Zh.A.

Value of enzymatic tests in infectious hepatitis. Zdrav. Bel.
8 no.6:19-21 Je'62. (MLA 16:8)

1. Iz kafedry infektsionnykh bolezney (zav. - chlen-korrespondent AMN SSSR, prof. A.N.Filippovich [deceased] i kafedry obshechey khimii (zav. - dotsent V.A.Bandarin) Minskogo meditsinskogo instituta.

(HEPATITIS, INFECTIOUS)

REBENOK, Zh.A. [Rabenak, Zh.A.]

Study of chemical mediators in infectious hepatitis (Botkin's disease). Vestsi AN SSSR Ser. biial. nav. no.1:78-81'63.

(MIRA 16:9)

(HEPATITIS, INFECTIOUS) (PHYSIOLOGY, PATHOLOGICAL)

1. REBER, V. V.
2. USSR (600)
4. Dairy Cattle - Ryazan' Province
7. Red Priokskii cattle.
Sots. zhiv. 14 no. 10, 1952

9. Monthly List of Russian Accessions, Library of Congress, January 1953. Unclassified.

GRIGOR, A.A.; TAYBACHVA, I.N.; KUBKO, M.S.

Effect of hydrogen peroxide on the reduction of nitrates in
a green plant. Dokl. AN SSSR 196 no. 2-4:2-260 1971.
(MIRA 17:7)

1. Institut fiziki khimii AN SSSR, predstavleno
akademikom N.M. Sisekyanov.

YUGOSLAVIA/General Biology - Individual Development

B-4

Abs Jour : Ref Zhur - Biol., No 3, 1958, No 9520

Author : Rebernak

Inst : Not Given

Title : On the Problem of the Effects of Protein Deficiency on Wound Healing.

Orig Pub : Veterin, glasnik, 1956, 10, No 8, 581-587

Abstract : At different times a healthy horse received wounds of a similar size; one under normal nutrient rations, the other with a nutritional protein deficiency and multiple blood plasms removal. From each wound samples were taken for histological studies on the 1-12th day after operation. It was noted that with the reduced protein rations the process of wound healing during the period of observation had a exudative character as against a proliferative one with the normal nutritive regimen. Appearance and differentiation of fibroblasts is one day late with deficient protein rations.

Card : 1/1

REBERNISAK, Vinko, dr., sanitetski potpukovnik; LEDIC, Stanko, dr., sanitetski potpukovnik

Bronchography under general anesthesia. Voj. san. pregl., Beogr.
17 no.2:143-146 '60.

1. Vojnomedicinska Akademija u Beogradu; Klinika za hirurske bolesti.
(BRONCHI radiogr.)
(ANESTHESIA GENERAL)

REES, D.

Larynx - Cancer

Cases of fibroepitheliomas of the larynx. Vest. oto-rin. 1/1 no. 1, 1952.

Monthly List of Russian Accessions, Library of Congress, April 1952.
Unclassified.

YUGOSLAVIA

B. REBESKO, Veterinary Clinic of Veterinary Division, Faculty of Animal Technology (Veterinarska klinika Veterinarskega oddelka Biotehnicke fakultete), Ljubljana.

"Lying Down in Cows Before and After Calving."

Belgrade, Veterinarski Glasnik, Vol 17, No 2, 1963; pp 181-187.

Abstract [German summary modified] From 1947 to 1961, this condition was diagnosed and treated in 84 cows preceding calving, and in 99 following it. Hypophosphatemia and hypocalcemia are regularly found but therapy with the corresponding preparations and vitamins was quite discouraging in lack of results until author based on some theoretical considerations thought of using stilbestrol. In 11 cows, 75 mg. in oil gave most gratifying results. Blood Ca and P increased following such treatment much more rapidly than with mineral preparations only. One Polish, 2 Yugoslav and 23 Western references.

L1/1

[Faint, mostly illegible text, possibly bleed-through from the reverse side of the page]

REBESKO, B.

SOURCE (if any): Author Name

Country: Yugoslavia

Academic Degrees: *[not given]*

Affiliation: Clinic Center - Veterinary Department of the Faculty of
Agronomy, Biology, Forestry, and Veterinary Medicine

Address: (Clinical center - Veterinarski oddelek Fakultete za
agronomijo, biologijo, gozdarstvo in veterinarstvo),

Location: Ljubljana

Source: Belgrade, Veterinarski glasnik, No 6, 1961, pp 465-472.

Topic: "Humid Intracranial Anaesthesia in Cattle."

Authors:

NOVAS, F.

REBESKO, B.

Włodzisław Jędrzej; Twardowski, Yvelina; Głuchowski, Stanisław

Scientific sections of the Section of History of Social Sciences
of the Institute of History of Science and Technology, Polish Academy
of Sciences. *Wiadomości naukowe* 9 no.3/4:436-439 '61

REBET, Lev.

Formation of the Ukrainian nation Miunkhen, Suchasna Ukraina, 1951. 56 p.
(Mala politychna biblioteka, ch. 1) (53-21182)

EK508.42.R4

ARSHINSKIY, V.M.; BAGAUTINOV, G.A.; BESPALOV, M.V.; GASPAROVICH, P.I.;
GOLOMIDOV, I.N.; GOLUBOV, G.B.; GRIN, L.T.; ZEL'SKIY, S.A.;
IL'INYKH, A.F.; KOZIN, V.Z.; KRYUKOV, V.P.; KULAKOV, S.N.;
LUKAS, V.A.; MINEYEV, V.A.; PETROV, Yu.S.; PIRUSHKO, M.G.;
PROKOF'YEV, Ye.V.; REBETS, B.A.; STARTSEV, N.V.; TROP, A.Ye.,
prof.; KHRAMOV, V.A.; ABRAMOV, V.I., otv. red.; PROZOROVSKAYA,
V.L., tekhn. red.; BOLDYREVA, Z.A., tekhn. red.

[Handbook on electric equipment for mines] Spravochnik gorno-
go elektrotekhnik. Pod obshchei red. A.E.Tropa. Moskva,
Gosgortekhzdat, 1962. 400 p. (MIRA 16:5)
(Electricity in mining)

PHASE I BOOK EXPLOITATION

SOV/4601

Koordinatnoye soveshchaniye po primeneniyu kislороda na metallurgicheskikh zavodakh Urala. Sverdlovsk, 1956

Primeneniye kislороda na metallurgicheskikh predpriyatiyakh Urala; materialy koordinatsionnogo soveshchaniya (Use of Oxygen in Metallurgical Plants of the Urals; Materials of the Coordination Conference) Sverdlovsk, 1960. 152 p. Errata slip inserted. 1,000 copies printed.

Sponsoring Agencies: Akademiya nauk SSSR. Ural'skiy filial. Institut metallurgii; Ural'skiye pravleniya nauchno-tekhnicheskikh obshchestv chernoy i tsvetnoy metallurgii.

Resp. Ed.: P.S. Kusakin, Candidate of Technical Sciences; Tech. Ed.: N.F. Seredkina.

PURPOSE: This collection of papers is intended for scientific research and technical personnel in the field of metallurgy.

COVERAGE: The use of oxygen in ferrous and nonferrous metallurgy of the Urals is discussed. Results of experimental use of oxygen in some metallurgical plants are presented. During the Conference, held December 20 and 21, 1956, the following persons (in addition to the authors) took part in

~~Card 1/5~~

Use of Oxygen (Cont.)

SOV/4601

the discussion: V.Ya. Miller, V.V. Mikhaylov, P.Ya. Sorokin, A.A. Perestoronin (all affiliated with the Institute of Metallurgy of the Ural Branch AS USSR); S.M. Kazachenko (Nizhne-Saldinskiy metallurgicheskiy zavod - Nizhnyaya-Salda Metallurgical Plant), M.F. Kochin (Deceased) (Ural'skiy institut chernykh metallov - Ural Institute of Ferrous Metals), M.Ye. Kislitsin (Chelyabinskiy metallurgicheskiy zavod - Chelyabinsk Metallurgical Plant), G.V. Demin (Krasnoural'skiy medeplavil'nyy zavod - Krasnoural'sk Copper Smelting Plant), V.A. Aglitskiy (Institut Unipromed' - "Unipromed'" Institute). Some of the papers are followed by references, both Soviet and non-Soviet.

TABLE OF CONTENTS:

Introduction

3

Revebtsov, V.P. Institut metallurgii Ural'skogo filiala AN SSSR [Institute of Metallurgy of the Ural Branch of the Academy of Sciences USSR]. On the Problem of Determining Basic Trends in the Use of Oxygen in Ural Metallurgical Plants

5

~~Card 2/5~~

REBEZA, A.G., aspirant

Orchard mites in Moldavia and their control on the Frunze State
Farm. Trudy Kish. sel'khoz. inst. 19:153-159 '60. (MIRA 14:1)

1. Kafedra zashchity rasteniy Kishinevskogo sel'skokhozyaystvennogo
instituta imeni M.V. Frunze.
(Moldavia--Mites)

USSR/General and Special Zoology. Insects. Insect P
and Mite Tests. Fruit and Berry Crop Pests.

Abs Jour : Ref Zhur-Biol., No 20, 1958, 92201

Author : Rebeza, A. G.
Inst : Kishinev Agricultural Institute.
Title : Ether Sulfonate Against Mites.

Orig Pub : Sadovodstvo, vinogradarstvo i vinodeliye
Moldavii, 1957, No 3, 58-59

Abstract : In the experience of the Kishinev Agricul-
tural Institute in 1955-1956, one day after
the summer treatment of the fruit trees with
a 0.3-0.5 percent suspension of ether sulfo-
nate (ES), the number of mites (M) was lowe-
red by one half, and in 12 days all M disap-
peared. ES is highly toxic to the eggs (even

Card : 1/3

USSR/General and Special Zoology. Insects. Insect P
and Mite Pests. Fruit and Berry Crop Pests.

Abs Jour : Ref Zhur-Biol., No 20, 1958, 92201

those laid after the spraying) and the emerging larvae. When the trees were sprayed in spring with an 8 percent emulsion of KEAM without a summer treatment with ES, the number of mites increased noticeably toward the end of June. After the summer spraying with ES but without the spring treatment with KEAM, the leaves were damaged by M. The best results were obtained by treating the trees with KEAM emulsion in spring before the opening of the buds and in the summer by adding ES to the insecticide used against codling moths. If the treatment with KEAM is not carried out then, a 0.2-0.3 percent suspension

Card : 2/3

GINZBERG, Ervin, potpukovnik dr.; REBERNISAK, Vinko, major dr.

Paravertebral block; review of two-year experiences with the new
technic. Voj. san. pregl., Beogr. 11 no.11-12:598-604 Nov-Dec 54.

1. Hirurska klinika VMA.

(ANESTHESIA, REGIONAL

paravertebral block, in thoracic & abdom. surg., new
technic)

(THORAX, surg.

anesth., paravertebral block, new technic)

(ABDOMEN, surg.

anesth., paravertebral block, new technic)

REBERNISAK, Vinko, sanitetski potpukovnik, dr.; RADOJEVIC, Radmila, sanitetski potpukovnik, dr.

Contribution to the treatment of gynecological tetanus. Voj.san.pregl. 18 no.8:649-652 Ag '61.

1. Vojnomedicinska akademija u Beogradu, Odeljenje za zarazne bolesti, klinika za hirurske bolesti.

(TETANUS ther) (GYNECOLOGY ther)
(MUSCLE RELAXANTS ther)

ZAK, P.S.; ZHURAVLEV, V.L.; ROMANOV, V.A., otv.red.; SADOMOV, N.T.,
red.; GOTOVTSEV, A.A., red.; GRINBERG, A.Ya., red.; ZUEKOV, V.T.,
red.; KOGAN, A.M., red.; KRUGLIKOV, A.V., red.; ~~REBGIN, K.K.~~
red.; NAZIMOV, N.M., red.; NEYMARK, A.M., red.; MOTYAKHOV, M.A.,
red.; SPEVAK, V.Ya., red.; TENENBAUM, M.M., red.; SHNEIDER, E.I.,
red.; ALADOVA, Ye.I., tekh.red.; ~~SEKIYAR, S.Ya.~~, tekh.red.

[Design and manufacture of globoid gears] Proektirovanie i
izgotovlenie globoidnykh peredach. Moskva, Ugletekhizdat, 1958.
87 p. (Tekhnologiya ugol'nogo mashinostroeniia, no.2).
(MIRA 13:2)

(Gearing)

COHEN, J.; ONCESCU, M.; REBIGAN, Fl.

Absolute measurements by cavity ionization chamber used in the Radioactive Nuclides Metrological Laboratory of the Institute of Atomic Physics. Studii cerc fiz 14 no.5:619-626 '63.

1. Institutul de fizica atomica, Bucuresti.

REBIKOV, YE. I.

1726. Gematologicheskiye I Opsopo-Fototsitarnyye Fiziologicheskiye Reartsii Pri
Lechenii Vospalitel'nykh Protssessov Khiricheski Obrabotannymi Tkanyami. Saratov, 1954
16s. Cosm. (P-VO Zdravookhraneniya SSSR. Sarat. Gos. Med. In-T). 175 EKZ. Bespl
(54-52843)

SO: Knizhnaya Letopis', Vol. 1, 1955

REMIC, D.

Why our trains are late. p. 102. ZELEZNICE. Vol. 11, No. 3,
March, 1955. Belgrad.

SOURCE: East European Accessions List (EEAL) Library of Congress,
Vol. 4, No. 12, Dec. 1955.

REIDY, R.

REIDY, R. Certain deficiencies in the method of planning capital investment. p. 497.

Vol. 5, No. 11. Nov. 1955
LA SOCIALISTICKOU VĚDU A TECHNIKU
TECHNOLOGY
Praha, Czechoslovakia

So: East European Accession, Vol. 5, No. 5, May 1956

COHEN, J.; ONCESCU, M.; HEBIGAN, F.

Installation for relative measurements of γ activities with
a ^{226}Ra ionization chamber (with a well). Studii cerc fiz 16
no. 7:765-771 *64.

1. Institute of Nuclear Physics, P.O. Box 35, Bucharest.

REBIKOV, Ye.I.

Diagnosis and therapy of obturation of the common bile duct in ascariasis in children. *Pediatrics*, Moskva no.3:64-67 May-June 1953. (CML 25:1)

1. Of the Hospital Surgical Clinic (Prof. I. A. Poliyevktov), North Ossetian Medical Institute.

REBIKOV, Ye.I. (Dzaydzhikan).

Leukocyte profile as a method of studying hematological shifts in the
dynamics of blood. Klin.med. 31 no.10:17-24 0 '53. (MLRA 6:11)

1. Iz gospital'noy khirurgicheskoy kiliniki (zaveduyushchiy - professor I.A.
Poliyevktov) Severo-Osetinskogo meditsinskogo instituta.
(Blood--Examination)

REBIKOV, Ye. I.

"Hematological and Opsono-"Photocytic" (Phagocytic?) Physiological Reactions
in the Treatment of Inflammatory Processes With Chemically Processed Tissues."
Cand Med Sci, State Medical Inst, Min Health RSFSR, Saratov, 1954. (KL, No
1, Jan 55)

Survey of Scientific and Technical Dissertations Defended at USSR Higher
Educational Institutions (12)
SO: Sum. No. 556, 24 Jun 55

REBIKOV, Ye.I.

Traumatic cyst of the pancreas. Khirurgia no.6:74 Je '54. (MLRA 7:9)

1. Iz gospital'noy khirurgicheskoy kliniki Severo-Osetinskogo meditsinskogo instituta.

(PANCREAS, cysts,

*traum.)

(CYSTS,

*pancreas, traum.)

REBIKOV, Ye.I., dotsent

Repeated operations in tuberculous coxitis. Trudy SMI 16:138-145 '63.
(MIRA 18:1)

1. Iz kafedry gospiatal'noy khirurgii (zav. -- prof. A.N.Kartavenko)
Smolenskogo gosudarstvennogo meditsinskogo instituta.

REBIKOV, Yevgeniy Ivancovich,

Hematological and (opsonofagotsitarnyye) Physiological Reactions
Concerning the Treatment of Inflammatory Process with Chemical Processing
of Tissues

Dissertation for candidate of a Medical Science degree. North (Osetinskiy)
Medical Institute, 1955

TULOVSKAYA, Z.D.; SEGALOVA, Ye.Ye.; REBINDER, P.A.

Processes of structure formation during crystallization of
monocalcium aluminate at different temperatures. Koll.zhur.
26 no.2:252-257 Mr-Ap '64. (MIRA 17:4)

1. Moskovskiy universitet, khimicheskiy fakul'tet, kafedra
kolloidnoy khimii.

SEGALOVA, Ye.Ye.; TULOVSAYA, Z.D.; BRUTSKUS, T.K.; REBINDER, P.A., akademik

Formation of stable and metastable hydrates in the hydration of
anhydrous calcium aluminates ($\text{CaO}\cdot\text{Al}_2\text{O}_3$ and $3\text{CaO}\cdot\text{Al}_2\text{O}_3$). Dokl.
AN SSSR 155 no.6:1379-1382 Ap '64. (MIRA 17:4)

1. Moskovskiy gosudarstvennyy universitet im. M.V.Lomonosova.

KANTOROVICH-SHELOMKOVA, I.Ya.; VLODAVETS, I.N.; REBINDER, P.A.

Synthesis of porous condensation structures of a new disperse
phase from polyvinyl alcohol. Koll. zhur. 25 no.4:441-446
Jl-Ag '63. (MIRA 17:2)

1. Institut fizicheskoy khimii AN SSSR, Moskva.

MARKINA, Z.N.; TSIKURINA, N.N.; KOSTOVA, N.Z.; REBINDER, P.A.

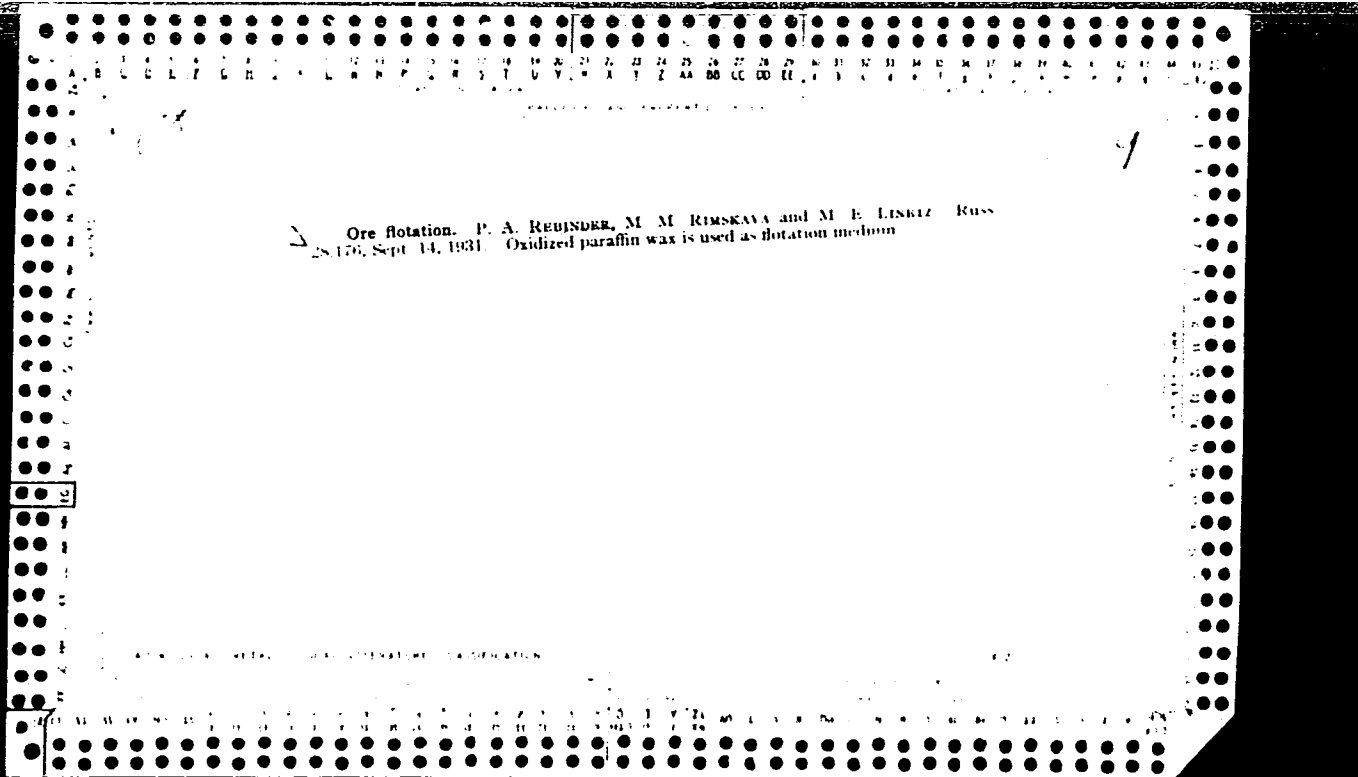
Determination of critical concentrations of micelle formations in aqueous soap solutions by the conductometric analysis. Koll.zhur. 26 no.1:76-82 Ja-F '64. (MIRA 17:4)

1. Moskovskiy universitet, khimicheskiy fakul'tet.

REBINDER, P. A.

Included in bibliography of article, "Effect of Detergent Admixtures on Dispersing Properties of Oils," published in Petroleum Industry, No. 6, 1948

P. A. Rebinder, Zhurnal Fizicheskoi Khimii, 1, 1930



Handwritten mark: *ca*

Stabilization of suspensions in adsorbed layers of surface active matter. X.
Stabilization of suspensions of mercury oxide in toluene by surface-active matter.
R. B. GINZBURG AND P. A. REBINDER. *J. Phys. Chem.* (U. S. S. R.) 3, 103-200(1932).
of C. I. 24, 2102, 3153. Stabilizers used were aniline, diisobutylamine, propyl amine,
isobutyl alcs., PhNO₂, stearic acid, and *o*, *m*- and *p*-toluidines. Their effects were
studied by the rate of sedimentation of HgO powder suspensions. Stabilization effects
are a function of chain length in a homologous series and of dipole moment in the case of
isomers as *o*, *m*- and *p*-toluidine. F. H. RAHMANN

AS & S & METALLOGRAPHICAL LITERATURE CLASSIFICATION

The applied physical chemistry of suspensions. Physical-chemical fundamentals of the methods of preparing suspensions by mechanical dispersion, methods of stabilization and investigation of disperse systems. P. A. Rebindar. *Issledovaniya Fiziko-Khim. tshh. Suspensii* 1933, 7-89; *Chem. Zentr.* 1935, II, 3487-8. M. G. Moore

2

Handwritten mark

Reduction of hardness and facilitation of mechanical dispersion under the influence of adsorption layers of surface-active materials. N. A. Kalinovskaya and P. A. Rebindar. *Issledovaniya Fiziko-Khim. tshh. Suspensii* 1933, 144-81; *Chem. Zentr.* 1935, II, 3489.—The hardness of minerals and rocks to scratching, conditioned by the free surface energy, is sharply reduced by the formation of adsorption layers. This reduction in hardness is proportional to the increase in adsorption, its max. being reached in the case of mats. In this way the work of dispersion, as in metal and glass working, is greatly reduced and the degree of dispersion of the dispersion product greatly increased. The facilitation of mech. dispersion through adsorption layers is affected also by the marked effect of such layers upon external friction. The greatest reduction in hardness is obtained in the case of hydrophobic minerals (which are selectively wet with toluene in the presence of water, e. g., graphite) upon adsorption from aq. solns. The applicability of Traube's rule to the reduction in hardness was established. However, for hydrophilic materials (gypsum, calcite, baryta, witherite) the decrease in hardness is greater in the case of nonpolar hydrocarbon liquids. M. G. Moore

ASH S.E.A. METALLURGICAL LITERATURE CLASSIFICATION

453
2

5096. **Decrease of the Interfacial Energy and Increase of the Dispersibility of Solids on the Formation of an Adsorption Layer.** P. Rehlinger and N. Kallnowakaja. *Phys. Zeits. J. Sowjetunion*, 4, 2, pp. 305-306, 1933. -It is shown that since hardness is measured in terms of the work required for dispersion of the surface, it may be diminished considerably by adsorption of capillary active substances. This effect, which is of significance in many technical processes, has been studied, at various concentrations of adsorbed substance, for the processes of grinding, polishing, boring, filing, sawing, etc. parallel results are obtained in each case. The hardness decrease-concentration curves ("dispersibility isotherms") are very similar to the adsorption isotherms; the limiting decrease is attained when the adsorption layer is saturated. For active substances of the same homologous series the dispersibility follows the Traube rule, i.e., the sclerometric hardness increases 3-3.5-fold when the chain is lengthened by a CH₂ group. For adsorption of marble from organic solvents, however, the rule is not valid, probably because of the high porosity of the marble. The plastic deformation which occurs when a metal surface is ruptured obscures the effect of hardness decrease. In grinding in, e.g., ball mills, the adsorption effect is of importance only at certain values of the solid:liquid ratio.

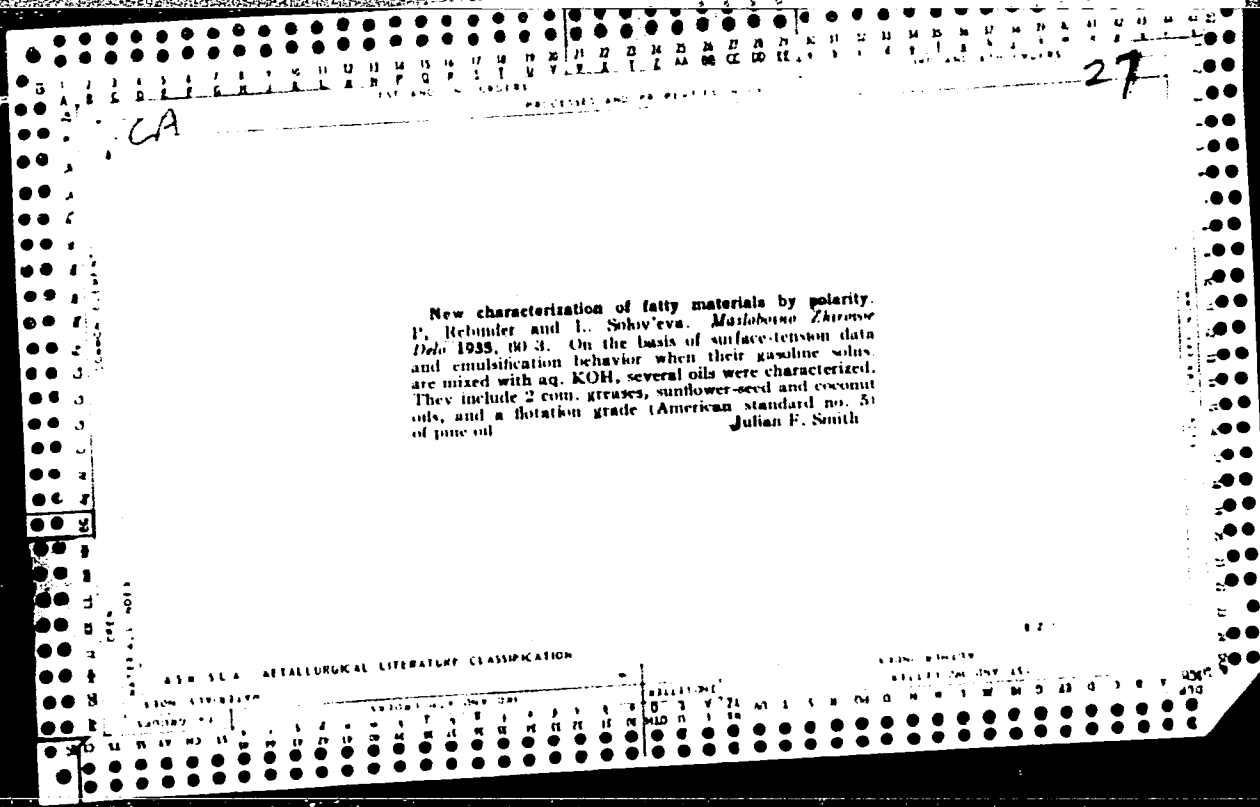
H. F. G.

AS 4 514 METALLURGICAL LITERATURE CLASSIFICATION

1933 83477

PHYS. ZEITS. J. SOVJETUNION

Physicochemical considerations on the detergent action
of soap and practical questions of the soap industry.
P. A. Rebinder and D. Rorhdestvenskii. *Makobino
Zhurnal* 1034, No. 11, 44-8; *Sifenstvo* 21, 62,
215-17 (1935). A theory of the detergent action of soap,
based on surface phenomena, is developed and applied
to the detn. of necessary properties of effective detergents.
B. C. A.

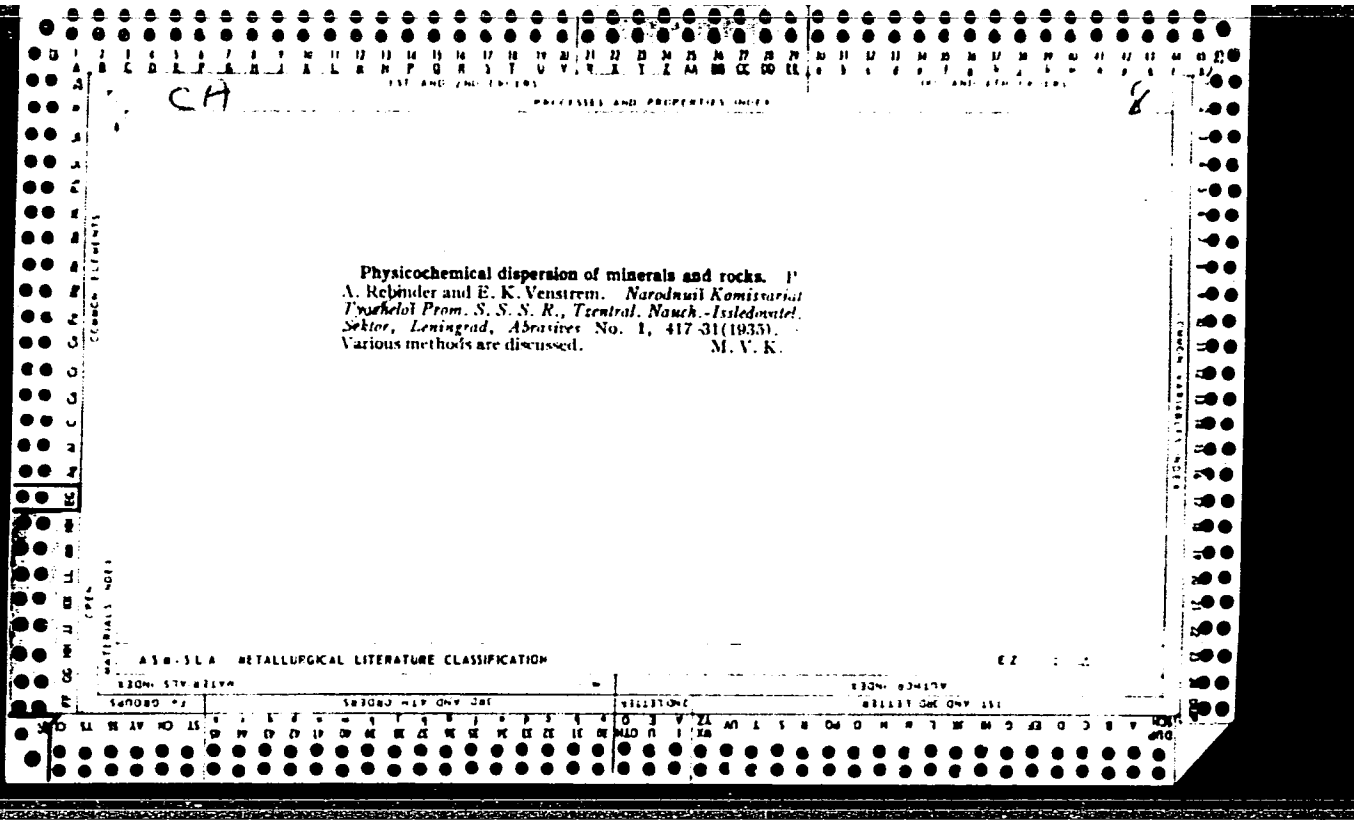


CR 9

PROCESSES AND PROPERTIES INDEX

Colloidal-physical-chemical methods for the separation of slag inclusions, liberated from steel, from the carbides. S. M. Gutman, P. A. Rebniser, M. G. Shul'vas, M. E. Lipetz and M. M. Rimskaya. *Compt. rend. acad. sci. U. R. S. S. I.*, 308-11 (in German 312) (1935). — The carbides (graphite) are selectively dispersed and peptized in aq. solns. of tannin- and Na-alizarinsulfonate (with 0.01 N NaOH or with Na_2SiO_3). The slag inclusions set free (0.1-0.15 g. per 100 g. steel) are pptd. The methods depend on differences in mol. nature of the surfaces, and consist in abolishing the mutual adhesion of the particles. I. E. Steiner

ASB-31A METALLURGICAL LITERATURE CLASSIFICATION



CA

30

Processes and Properties Index

Physicochemical principles of the activity and the activation of pigments for rubber. P. Rebinder and V. Margaritov. *J. Rubber Ind (U. S. S. R.)* 12, 991-1005 (1935).—The authors studied stabilization of suspensions of pigments in rubber by means of surface-active substances. The degree of stabilization was studied by sedimentation of 0% suspensions of pigment in CCl₄. All pigments were divided into 2 groups: (1) hydrophobic pigments, including lamp black, C black (Matkopskaya and Micronex) and (2) MgCO₃, BaSO₄, lithopone, ZnO, CaCO₃, talc and Turboviskil kaolin, which required the stabilizing action of stearic or oleic acid. The fillers and pigments were classified according to the increasing radii of their particles in suspension; the smaller the radius the better the filler or pigment. The ultimate "peptonized" dispersion of pigments and fillers in rubber varies inversely with the av. radii of the particles, and can be used as a standard for measuring the activity of pigments and fillers. A. Pestoff

ASB-SLA METALLURGICAL LITERATURE CLASSIFICATION

1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	32	33	34	35	36	37	38	39	40	41	42	43	44	45	46	47	48	49	50	51	52	53	54	55	56	57	58	59	60	61	62	63	64	65	66	67	68	69	70	71	72	73	74	75	76	77	78	79	80	81	82	83	84	85	86	87	88	89	90	91	92	93	94	95	96	97	98	99	100
---	---	---	---	---	---	---	---	---	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	-----

3 1 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20 21 22 23 24 25 26 27 28 29 30 31 32 33 34 35 36 37 38 39 40 41 42 43 44 45 46 47 48 49 50 51 52 53 54 55 56 57 58 59 60 61 62 63 64 65 66 67 68 69 70 71 72 73 74 75 76 77 78 79 80 81 82 83 84 85 86 87 88 89 90 91 92 93 94 95 96 97 98 99 100

THE PHYSICAL CHEMISTRY OF THE MOLECULAR SURFACE PHENOMENA IN THE LEATHER MANUFACTURE. P. A. Rebindler. *Koshevno-Obuvnaya Prom.* 14, 381-4 (1975). --A general discussion of the mol. surface phenomena from the colloidal point of view based on published information. Ten references. A. A. Bochtlingk

79

ASAC SLA METALLURGICAL LITERATURE CLASSIFICATION

REGIONAL INDEX

INDEX

1 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20 21 22 23 24 25 26 27 28 29 30 31 32 33 34 35 36 37 38 39 40 41 42 43 44 45 46 47 48 49 50 51 52 53 54 55 56 57 58 59 60 61 62 63 64 65 66 67 68 69 70 71 72 73 74 75 76 77 78 79 80 81 82 83 84 85 86 87 88 89 90 91 92 93 94 95 96 97 98 99 100

PROCESSES AND PROPERTIES INDEX

11-1

BC

Effect of adsorption layers on the properties of disperse systems. P. RASUMOV (Bull. Acad. Sci. U.R.S.S., 1936, 639-706).—The froth-forming effect of surface-active substances (measured by the life period of bubbles and the depth of froth) depends on the concn. in the adsorption layer, and on its mechanical properties. Surface-active substances have sometimes much stronger stabilizing or coagulating effects on aq. suspensions than electrolytes; the action depends on the formation or destruction of the aq. envelope on the surface of the particles, under the influence of the surface layer. Suspensions of hydrocarbons surrounded by surface-active compounds are particularly stable in consequence of the formation of a two-dimensional surface compound. The decrease in strength of solid substances is due to the spitting effect of thin liquid layers. F. J. L.

Effect of the adsorption layer on the wetting phenomena in the flotation process. P. RASUMOV (Bull. Acad. Sci. U.R.S.S., 1936, 707-740).—The adsorption layer on the surface of solid particles suspended in H₂O produces a strongly hydrophobic surface, resulting in an abrupt decrease of "wettability," which increases the floatability; a decrease of surface tension brought about by a froth-forming substance, or accumulation of surface-active material, reduces the floatability. F. J. L.

ASB-SLA METALLURGI

130MI 131011VM

130MI 131011VM

1311131 Oct 047 151

PROCESSES AND PROPERTIES INDEX

*Kinetics of Selective Wetting and Surface Reactions on Metals in the Presence of Electrolytes.—I. D. I. Mirin and P. A. Rebinder (*Doklady Akademii Nauk S.S.S.R.*, 1936, 3, (3), 123-128 (Russian); and *Compt. rend. Acad. Sci. U.R.S.S.*, 1936, [N.S.], 3, (3), 123-128 (English)).—Strips of zinc, iron, and aluminum, previously cleaned with a fine file and by washing in warm benzene, were immersed horizontally in a benzene bath, and a 3 mm. drop of pure water or a solution of an electrolyte was placed on the metal and a 7-10 fold enlargement of the drop projected on to a screen and photographed at specified intervals, the contact angles of wetting being measured on the photographs. The results show that the primary contact angle of the water drop is 115-130°, corresponding to the intrinsic hydrophobe nature of the metal surface free from a layer of disperse particles, but when electrolytes are present in the aqueous phase, accumulation of the products of corrosion produces a change in the molecular nature of the surface which becomes sharply hydrophilic, and the contact angles of the drop are reduced to 60-14°. On iron, aluminum, and other metals, which form a more resistant surface oxide film than zinc does, the drop spreads considerably more slowly. The changes in the contact angles, under conditions of selective wetting of metals, may serve as a sensitive and quantitative criterion of the modification of the nature of their surfaces during corrosion.—N. A.

A.S.M.-S.L.A. METALLURGICAL LITERATURE CLASSIFICATION

MATERIALS INDEX

E-Z INDEX

1ST LETTER

2ND LETTER

3RD AND 4TH LETTERS

5TH AND 6TH LETTERS

7TH AND 8TH LETTERS

9TH AND 10TH LETTERS

11TH AND 12TH LETTERS

13TH AND 14TH LETTERS

15TH AND 16TH LETTERS

17TH AND 18TH LETTERS

19TH AND 20TH LETTERS

21ST AND 22ND LETTERS

23RD AND 24TH LETTERS

25TH AND 26TH LETTERS

27TH AND 28TH LETTERS

29TH AND 30TH LETTERS

31ST AND 32ND LETTERS

33RD AND 34TH LETTERS

35TH AND 36TH LETTERS

37TH AND 38TH LETTERS

39TH AND 40TH LETTERS

41ST AND 42ND LETTERS

43RD AND 44TH LETTERS

45TH AND 46TH LETTERS

47TH AND 48TH LETTERS

49TH AND 50TH LETTERS

51ST AND 52ND LETTERS

53RD AND 54TH LETTERS

55TH AND 56TH LETTERS

57TH AND 58TH LETTERS

59TH AND 60TH LETTERS

61ST AND 62ND LETTERS

63RD AND 64TH LETTERS

65TH AND 66TH LETTERS

67TH AND 68TH LETTERS

69TH AND 70TH LETTERS

71ST AND 72ND LETTERS

73RD AND 74TH LETTERS

75TH AND 76TH LETTERS

77TH AND 78TH LETTERS

79TH AND 80TH LETTERS

81ST AND 82ND LETTERS

83RD AND 84TH LETTERS

85TH AND 86TH LETTERS

87TH AND 88TH LETTERS

89TH AND 90TH LETTERS

91ST AND 92ND LETTERS

93RD AND 94TH LETTERS

95TH AND 96TH LETTERS

97TH AND 98TH LETTERS

99TH AND 100TH LETTERS

