

# BIBLIOGRAPHY OF PHARMACEUTICAL RESEARCH

Conducted by H. V. Army, Reporter on the Progress of Pharmacy, Chairman of the Committee on Research.

On these pages, each month, will be found a list of articles on pharmaceutical research that appear in the pharmaceutical and other scientific journals of the world. Whenever possible, the list appearing a certain month will record articles appearing in American journals of the preceding month and articles appearing in foreign journals will be recorded as quickly as possible after the journals reach the Reporter.

All articles appearing in these lists will be presented in abstract form in the bound volumes of the YEAR BOOK, which will be issued as soon after the end of the year represented as editing and printing conditions permit. Those desiring abstracts immediately can obtain same for a fee of one dollar each by communicating with H. V. Army, 115 West 68th St., New York, and arrangements can also be made for securing photographic reproduction of entire articles at moderate prices when such are desired.

## PHARMACOPOEIAL REVISION.

Biersach, H. D.  
U. S. P. and N. F. suggestions.  
*N. W. Drug.*, 29 (Apr. 1921), 133

## APPARATUS AND MANIPULATIONS.

Bryant, E. G.  
A photosensitive bismuth prescription  
*Pharm. J.*, 106 (Mch. 26, 1921), 233  
Wyatt, H.  
Incompatible prescriptions  
*Chem & Drug.*, 94 (Mch. 5, 1921), 315  
X-rayser II  
Etymology of carboy  
*Chem. & Drug.*, 94 (Mch. 5, 1921), 321

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Bohrisch, P.  
Tupelo tents  
*Pharm. Zent.*, 62 (Feb. 24, 1921), 109  
Fantus, B., and Snow, C. N.  
Elixirs of the U. S. P. and N. F.  
*J. AM. PHARM. Assoc.*, 10 (Apr. 1921), 277  
Foulser, S. W.  
Non-alcoholic flavoring extracts  
*Nat. Drug.*, 51 (Apr. 1921), 181  
Galaville, Cristol and Portes  
Preparing solutions of terpin  
*J. pharm. chim.*, 23 (Jan. 16, 1921), 51  
Grimme, C.  
Examination of cod liver oil emulsions  
*Pharm. Zent.*, 62 (Mch. 7, 1921), 156, and  
(Mch. 31, 1921), 187  
Linde, O.  
Test for tincture of calamus  
*Apoth.-Ztg.*; through *Pharm. Ztg.*, 66 (Jan.  
19, 1921), 60

Stroud, S. H.  
Adding tincture of myrrh to water  
*Australasian J. Pharm.*; through *Nat. Drug.*,  
51 (Apr. 1921), 204  
Stroud, S. H.  
Chloral hydrate suppositories  
*Nat. Drug.*, 51 (Apr. 1921), 187  
Weiss, Soma, and Hatcher, R. A.  
Infusion of digitalis  
*J. Am. Med. Assoc.*; through *Drug. Circ.*,  
65 (Apr. 1921), 146

## GENERAL BOTANY AND BACTERIOLOGY.

Casparis, P.  
Study of lignified cell walls  
*Pharm. Monatsh.*; through *Pharm. Ztg.*, 66  
(Feb. 2, 1921), 106  
Konrich  
A new stain for bacilli tuberculosis  
*Dtsch. Med. Wschr.*; through *Pharm. Weekbl.*,  
58 (Mch. 12, 1921), 310  
Masters, Helen, and Garbutt, Phyllis  
Color changes in cooking vegetables  
*Biochem. J.*; through *Pharm. J.*, 106 (Mch.  
12, 1921), 193  
Pahl, W.  
Detection of oxalates in plant tissues  
*Z. wiss. Mikroskop.*; through *Pharm. Zent.*,  
62 (Feb. 24, 1921), 115  
Ronge, E.  
Assimilation of carbon dioxide by plants  
*Schweiz. Apoth.-Ztg.*, 59 (Mch. 17, 1921), 1581,  
and (Mch. 24, 1921), 175  
Van Wisselingh, C.  
Study of various seed-coats  
*Pharm. Weekbl.*, 58 (Mch. 12, 1921), 298, and  
(Mch. 19, 1921), 326

- THERAPEUTICS AND NEW REMEDIES.** Jensen,  
Standardizing thyroid preparations  
*Hospitalstidende*; through *Pharm. Era*, 54  
(Apr. 1921), 143
- Freeman, J.  
Toxic iodopathy  
*Pharm. J.*, 106 (Mch. 19, 1921), 215
- VEGETABLE AND ANIMAL MATERIA  
MEDICA.** Joachimovitz,  
Primula root  
*Z. oesterr. Apoth.-Ver.*; through *Pharm. Weekbl.*,  
58, Feb. 28, 1921), 242
- Asahina, Y., and Motigasi, S.  
Alkaloids of *Corydalis decumbens*  
*J. Pharm. Soc. Japan*; through *J. pharm.  
chim.*, 23 (Feb. 16, 1921), 142
- Beal, J. H.  
Therapeutics of echinacea  
*J. Agr. Res.*; through *Am. J. Pharm.*, 93  
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- Boruttau, H., and Cappenberg, H.  
Active constituents of shepherd's purse  
*Arch. Pharm.*, 259 (Mch. 12, 1921), 33
- Briggs, W. P.  
Scammony  
*Nat. Drug.*, 51 (Apr. 1921), 194
- Burns, W. C.  
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*J. AM. PHARM. ASSOC.*, 10 (Apr. 1921), 272
- Chestnut, V. K.  
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- Couch, J. F., and Giltner, T.  
Therapeutics of echinacea  
*J. Agr. Res.*; through *Am. J. Pharm.*, 93 (Mch.  
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- Emanuel, E., and Papavasilion, M.  
Constituents of the seeds of *Plantago coronopus*  
*Arch. Pharm.*; through *J. pharm. chim.*, 23  
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- Gorter, K.  
Hiptagin from *Hiptage madablota*  
*Bull. Jard. Bot. Buitenzorg*; through *J. pharm.  
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- Gorter, K.  
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Sources of lycorine  
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- Grant, E. H.  
Determination of fiber in gum karaya  
*J. AM. PHARM. ASSOC.*, 10 (Apr. 1921), 270
- Holmstrom, J. J.  
Constituents of *Rheum Emodi*  
*Schweiz. Apoth.-Ztg.*, 59 (Mch. 24, 1921), 169,  
and (Mch. 31, 1921), 183
- Juul,  
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*Farm. Tid.*; through *Pharm. Zent.*, 62 (Mch.  
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- Karrer, P., Karrer, W., and Chao, J. C.  
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- Kochmann,  
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- Kondo, H., and Amano, U.  
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- Mitchell, D.  
Drug plant cultivation at Inverness  
*Pharm. J.*, 106 (Mch. 26, 1921), 232
- Nakao, M.  
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- Orient, J.  
Ratio of alkaloid to nitrogen content in bella-  
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- Renon,  
*Passiflora* as hypnotic  
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- Schomer, A.  
Assay of yohimbin in yohimbe bark  
*Pharm. Zent.*, 62 (Mch. 24, 1921), 169
- Schoorl, N., and Gerritzen, S. C. L.  
Moisture content of milk powder  
*Pharm. Weekbl.*, 58 (Mch. 26, 1921), 370
- Thevenon, I.  
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 Standardizing volumetric solutions  
*Bull. Soc. Chim.*; through *Drug. Circ.*, 65  
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 Browne, Frank  
 Radium and atom structure  
*Pharm. J.*, 106 (Mch. 26, 1921), 241  
 Corrigan, J. F.  
 Luminescence in inorganic bodies  
*Chem. News* (Mch. 24, 1921), 133  
 Rutherford, E.  
 Electricity and matter  
*Pharm. J.* (Mch. 19, 1921), 215  
 Tansley, L. B.  
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*Chem. News*, 122 (Mch. 18, 1921), 121  
 Wright, C. H.  
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*Nat. Drug.*, 50 (Apr. 1921), 197  
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Éwe, G. E.  
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 Herschkowitz, M.  
 Separation of chromium and manganese  
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 Hüsgen, H.  
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*Pharm. Weekbl.*, 58 (Feb. 28, 1921), 233  
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*Z. anal. Chem.*; through *J. Soc. Chem. Ind.*, 40  
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 Purifying hydrochloric acid  
*Bull. soc. chim. Belg.*; through *Pharm. Zent.*,  
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 Nakao, M.  
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*J. Pharm. Soc. Japan*; through *J. pharm. chim.*,  
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*Chem. News*, 122 (Mch. 4, 1921), 99  
 Schanz, R. F.  
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Achard, C., and Feuillée, E.  
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*Compt. rend. Soc. Biol.*; through *J. pharm.  
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- Alpers, K.  
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*Pharm. Ztg.*, 66 (Mch. 19, 1921), 243
- Anderson, R. J.  
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*Bull. N. Y. Exp. Stat.*; through *J. Soc. Chem. Ind.*, 40 (Mch. 31, 1921), 194A
- Bardet, D.  
Diethyl-diallyl barbiturate of diethylamine  
*J. pharm. chim.*, 23 (Feb. 16, 1921), 157
- Bauer, K. H., and Schoder, F.  
4,7-dioxy coumarin  
*Arch. Pharm.*, 259 (Mch. 12, 1921), 53
- Bertolo  
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*Gior. Chim. Ind.*; through *J. Soc. Chem. Ind.*, 40 (Mch. 15, 1921), 153A
- Bougault, J., and Robin, P.  
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- Dott, D. B.  
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- Duliere  
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*J. Pharm. Belg.*; through *Pharm. Era*, 54 (Apr. 1921), 142
- Eschbaum, F.  
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*Pharm. Ztg.*, 66 (Jan. 5, 1921), 17
- Freund, M., and Speyer, E.  
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*Ber.*; through *J. Soc. Chem. Ind.*, 40 (Feb. 28, 1921), 127A
- Geret  
Detection of coumarin in vanillin  
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- Horrmann, P., and Behschmidt  
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Action of halogenacids on oil of Juniperus oxycedrus  
*J. pharm. chim.*, 23 (Feb. 1, 1921), 1, 81
- Jonascu and Vargalici  
Assay of reducing sugars  
*Bull. Soc. Chem. Romana*; through *Drug Circ.*, 65 (Apr. 1921), 141
- Kariyone, T., and Atsumi, K.  
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*J. Pharm. Soc. Japan*; through *J. pharm. chim.*, 23 (Feb. 16, 1921), 148
- Karrer, P., and Widmer, F.  
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- Karr, W. G.  
Vitamine, appetite and digestion  
*J. Biol. Chem.*; through *Pharm. J.*, 106 (Mch. 19, 1921), 212
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- Kremers, R. E.  
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*Bull. Univ. Wisc.*; through *J. AM. PHARM. Assoc.*, 10 (Apr. 1921), 318
- Kremers, R. E.  
Volatile oil of milfoil  
*J. AM. PHARM. Assoc.*, 10 (Apr. 1921), 252
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Insoluble material in volatile oil of mustard  
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- Langer, A.  
Test for oil of chenopodium  
*Pharm. Ztg.*, 66 (Mch. 2, 1921), 191
- Lührig, H.  
Polarimetric starch determination  
*Pharm. Zent.*, 62 (Mch. 10, 1921), 141
- Malmy, M.  
Distinguishing theobromine from caffeine  
*J. pharm. chim.*, 23 (Feb. 1, 1921), 89
- Manseau, M. A.  
Distinguishing between cocaine and stovaine  
*Bull. Soc. Pharm. Bordeaux*; through *Am. J. Pharm.*, 93 (Mch. 1921), 236
- Martin, F.  
Acetylation assay of borneol  
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- Merck, E.  
So-called "artificial oil of chenopodium"  
*Pharm. Ztg.*, 66 (Mch. 9, 1921), 214
- Mignonac, G.  
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- Mueller, E., and Rius y Miro  
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- Nutter  
Detecting salicylic acid in acetylsalicylic acid  
*Analyst*; through *Drug. Circ.*, 65 (Apr. 1921), 142
- Pictet, A.  
Structure of alpha and beta glucoses  
*Helv. Chim. Acta*; through *J. pharm. chim.*, 23 (Mch. 1, 1921), 186
- Polinski, M.  
Detection of formic acid in acetic acid  
*Chemist-Analyst*; through *Am. J. Pharm.*, 93 (Mch. 1921), 236
- Posternack, S.  
Inositol hexaphosphate  
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- Ponchet, M.  
Allyl theobromine  
*Gaz. Hopitaux*; through *Pharm. Era*, 54 (Apr. 1921), 141
- Pritzker, J., and Jungkunz, R.  
Examination of birch tar oils  
*Schweiz. Apoth.-Ztg.*, 59 (Mch. 10, 1921), 145, and (Mch. 17, 1921), 162
- Rabe, R.  
Tests for denatured alcohol  
*Pharm. Ztg.*, 66 (Jan. 22, 1921), 72
- Reinitzer, F.  
Lubanol benzoate  
*Arch. Pharm.*, 259 (Mch. 12, 1921), 60
- Reinitzer, F.  
Siaresinolic acid  
*Arch. Pharm.*, 259 (Mch. 12, 1921), 1
- Reutter, L.  
Alkaloidal extraction  
*Farmacia*; through *Pharm. Era*, 54 (Apr. 1921), 141
- Reutter de Rosemont, L.  
Purification of cocaine  
*Bull. Sci. Pharmacol.*; through *J. Soc. Chem. Ind.*, 30 (Mch. 31, 1921), 193A
- Rodillon, G.  
New phenol test  
*J. pharm. chim.*, 23 (Feb. 16, 1921), 136
- Sabalitschka, T.  
Decomposition of dicarbonic acids in water  
*Ber.*; through *Pharm. Ztg.*, 66 (Jan. 26, 1921), 85
- Sayer, A. E.  
Preparing pyroxylin  
*Nat. Drug.*, 51 (Apr. 1921), 204
- Schneider, W., and Schroeter, K.  
Aceto-papaverine and coralyn  
*Ber.*; through *Pharm. Zent.*, 62 (Feb. 24, 1921), 114
- Sollman, T.  
Precipitation of proteins by tannin  
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- Stoermer, R., and Laage  
Truxillic and truxinic acids  
*Ber.*; through *J. Soc. Chem. Ind.*, 40 (Mch. 15, 1921), 161A
- Sugii, Y.  
Preparation of dioxyphenylalanin  
*J. Pharm. Soc. Japan* (Feb. 12, 1921), 130
- Takea, J., and Kuroda, S.  
Preparation of alkamines  
*J. Pharm. Soc. Japan* (Jan. 1921), 1
- Tiffeneau and Bouchereau  
Diphenate of tetramethylenamine  
*L. Union Pharm.*; through *Pharm. Era*, 54 (Apr. 1921), 142
- Tommasi  
Lawson, the active principle of henna  
*Gaz. chim. ital.*; through *Drug Circ.*, 65 (Apr. 1921), 142
- Utz  
Color test for fatty oils  
*Chem. Ind.*; through *Pharm. Zent.*, 62 (Mch. 24, 1921), 173
- Von Steinau  
Bleaching fatty oils  
*Chem. Umschau*; through *Pharm. Zent.*, 62 (Mch. 31, 1921), 194
- Warren, L. E., and Clark, A. H.  
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- Wiesse, Hilda  
Standards for medicinal pine oil  
*J. AM. PHARM. ASSOC.*, 10 (Apr. 1921), 318
- Willstätter, R., and Bommer, M.  
Production of formaldehyde from ethylene  
*Ann.*; through *J. Soc. Chem. Ind.*, 40 (Feb. 28, 1921), 128A

Willstätter, R., and Bommer, M.  
Synthesis of ecgonine and tropinone  
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Wischo, F.  
Baljet's test for digitalis glucosides  
*Z. oesterr. Apoth.-Ver.*; through *Pharm. Zent.*, 62 (Feb. 24, 1921), 119

Wolff, H.  
Detection of glycol in glycerin  
*Chem. Umschau*; through *Pharm. Zent.*, 62 (Feb. 24, 1921), 116

Yoshitomi, E., and Watanabe, K.  
Bromural  
*J. Pharm. Japan* (Feb. 1921), 125

Zimmerman  
Distinguishing synthetic from natural camphor  
*Apoth. Ztg.*; through *Drug. Circ.*, 65 (Apr. 1921), 141

Zimmerman  
Glycerin tests  
*Apoth. Ztg.*; through *Drug. Circ.*, 65 (Apr. 1921), 141

## COUNCIL BUSINESS

### A. PH. A. COUNCIL LETTER NO. 16. (Abstract.)

WASHINGTON, D. C., March 30, 1921.

70. *Additional appropriation for the Year Book (Item 68).*

71. *Request that a set of the Proceedings be sent to the Pharmaceutical Institute of the University of Berlin and certain volumes to the University of Basel—Result of vote.* Motion No. 69, a motion to grant the request of Prof. Edward Kremers relative to the supplying of the Pharmaceutical Institute of the University of Berlin with a set of the Proceedings of the A. Ph. A., and the University of Basel with the numbers to complete its set, has received a majority of affirmative votes.

72. *Resignation of Chairman of the Committee on Standards of Drugs and Chemical Products (Item 64).* No action has been taken on the resignation of Prof. J. A. Koch as chairman of the above-mentioned committee.

73. *Election of Active Members.* You are requested to vote on the following applications for active membership:

No. 440, John R. Bouée, 1323 Bienville St., New Orleans, La.; No. 441, Smith C. Wilson, 143-145 N. 9th St., Lincoln, Nebr.; No. 442, Edward Hays Rutledge, 1100 W. 37th St., Chicago, Ill.; No. 443, Dwight Beach Shaw, Stilwell, Okla., S. & S. member.; No. 444, Leo Armand Beaulac, 532 Park Ave., Worcester, Mass.; No. 445, Dr. Edward Clarence Reif, 1203 Resaca Place, Pittsburgh, Pa.; No. 446, Chas. H. Hirsch, 2558 Southport Ave., Chicago, Ill.; No. 447, Frank M. Allen, 555 Adams Ave., E., Detroit, Mich.; No. 448, Raymond A. Leach, 4836 West End Ave., Chicago, Ill.; No. 449, Hallie Chris Seawell, Medical College of Va., Richmond, Va.; No. 450, Lloyd

R. Moyer, 141-145 N. 1st St., Care First National Pharmacy, Lehighton, Pa.; No. 451, Edward F. Antonides, 2620 W. 26th St., Chicago, Ill.; No. 452, Edward Sykora, 2341 S. Clifton Pk. Ave., Chicago, Ill.; No. 453, August Charles Flach, 2400 Washington Ave., New Orleans, La.; No. 454, Fred Besse, Jr., 1244 Magazine St., New Orleans, La.; No. 455, Julius Frederick Just, 616 $\frac{1}{2}$  S. Galena Ave., Freeport, Ill.; No. 456, Charles E. Wilson, 1024 Taylor St., Corinth, Miss.; No. 457, Robert Edson Bemis, 87 Homer St., East Boston, Mass.; No. 458, Abraham Kohl, 151 Bowers St., Jersey City, N. J.; No. 459, Archibald Victor Kerr, 1024 Ky. Street, Lawrence, Kans.  
A. G. DuMEZ, Secretary.

### A. PH. A. COUNCIL LETTER NO. 17. (Abstract.)

WASHINGTON, D. C., April 14, 1921.

74. *Additional appropriation for the Year Book—Result of vote.* Motion No. 70 has received a majority of affirmative votes.

75. *Resignation of Chairman of the Committee on Standards of Drugs and Chemical Products (Items Nos. 64 and 72).* To date, no action has been taken on Prof. Koch's resignation tendered February 21, 1921.

76. *Election of active members—Result of vote.* Motion No. 73 has received a majority of affirmative votes.

77. *Election of active members.* You are requested to vote on the following applications for active membership:

No. 460, Mary Ellen Correia, 1730 41st Ave., Oakland, Calif.; No. 461, Glen O. Fruide, 885 No. 25th St., Lincoln, Nebr.; No. 462, David B. Ray Johnson, 752 DeBarr St., Norman, Okla.; No. 463, Guy Yandall Williams, 468 Elm Ave., Norman, Okla.; No. 464, Mor-