

# THE DEPARTMENT OF THE AMERICAN CONFERENCE OF PHARMACEUTICAL FACULTIES

## A SYMPOSIUM ON METHODS OF TEACHING COMPOUNDING IN THE CONFERENCE SCHOOLS (*continued*).

[Editor's Note: In the publicity work of the Conference it is not the intention of the Chairman of the Executive Committee to embarrass the JOURNAL OF THE AMERICAN PHARMACEUTICAL ASSOCIATION or any other journal by seeming to advertise any individual or any institution. The sole object of this work is to inform us as to what is being done, how it is being done, and what agencies are being used for teaching purposes in order that we may learn how to improve teaching methods in every institution giving pharmaceutical instruction. The most effective method of doing this, is to ferret out the men who are doing things and have them tell us what they are doing, over their own signature. Too often have college men been charged with the crime of being dreamers. Some of them are having dreams come true. This department is an open forum and the editor will appreciate contributions from every one who has anything constructive to offer.

RUFUS A. LYMAN, Chairman  
and Conference Editor.]

The University of Tennessee School of Pharmacy is organized as a branch of the College of Medicine. The College of Medicine controls the Memphis General Hospital and of course the Out-Patient Department of the General Hospital. Both the Hospital and the Out-Patient Department are used for teaching purposes for our students in pharmacy. We make use of them especially in the following way. All of the prescriptions written by physicians for patients in the hospitals or in the Out-Patient Department are filled either in the drug room of the hospital or the drug room of the Out-Patient Department. These are not filled out of stock numbered formulas, and the physicians may write their prescriptions for any drug or preparation recognized by either the U. S. P. or N. F. There are a few preparations carried in stock that are accepted in "New and Non-Official Remedies" of the American Medical Association but these are not many. Patents and proprietary drugs are not carried at all. In the Out-Patient Department an average of 135 prescriptions is filled each day. The drug room is in charge of a full time pharmacy teacher and he is assisted by a section of the junior pharmacy class. The regular hours for laboratory prescription filling are not dispensed with, however. This course is given and given thoroughly with the aim and purpose of preparing the student for the work in the dispensary. It is coordinated with that work as closely as possible.

The drug room of the Memphis General Hospital is also operated by a full time teacher in our school of pharmacy. He is assisted by a section of students from the senior class. The organization of the teaching here is the same as in the Out-Patient Department drug room.

We have tried to imagine an ideal arrangement for teaching the art of compounding, and our arrangements here are based upon this ideal. We think that we have approximated it very closely.

O. W. HYMAN, *Acting Dean*,  
College of Medicine,

University of Tennessee, Memphis.

\* \* \* \* \*

I have been handling the question that you have presented and I am sure I feel in hearty accord with the work that the executive committee has planned along the lines of publicity. I have been busy with a similar program here in our own State but we have followed a somewhat different plan. In place of giving a general program we are giving the druggists of the State specific information relative to business organization, and legislative measures which are of vital importance to the pharmacists of our community.

Of course, you are acquainted with the fact that I am very strongly in favor of the combination of the so-called ethical and practical pharmacy. I have formulated some plans along these lines which I hope will enable us to give training in practical experience within the school and under the supervision of a thoroughly trained commercial pharmacist. Personally it is my plan to equip thoroughly a large store and secure from the various pharmaceutical houses standard grade preparations which are of therapeutic value, and scientific preparations such as serums, vaccines, etc. Likewise it is my plan to have in that store a window and give a course in window display which may consist of a certain number of displays with a grade of units for each display. Likewise, I hope to give in connection with this at least a year of business law that may be adaptable to the business interests of an ordinary drug store.

I have thus far succeeded in securing a committee from the State association which has met once and has approved of the plans as outlined, with the exception that they do not wish the store to engage in the sale of these preparations. To my mind the actual sale of the preparations to the students of the college is comparable to the condition which a student will meet after he goes into the retail store. The main objection to the plan is chiefly that a State institution should not engage in business in competition with a local store; to be specific—the school of pharmacy should not establish a business enterprise that would run in competition with our local drug stores. However, we have at this time a dispensary for the preparation and filling of prescriptions for the students and college community only.

You will see, therefore, that the plan outlined for the store would be only a technical difference from the plan which we now have in practice. The State Board of Pharmacy is in hearty accord with the idea and are willing to grant experience gained in such a store as quickly or perhaps are more in favor of the experience gained in it than in the various stores of the State.

It is my plan to begin training in the store after the student has had the full two years of technical training which now leads to Ph.G. degree. I should like also to continue the course which leads to Ph.C. degree. This would enable the student of pharmacy to choose for himself between "commercial" and "professional" pharmacy. It would supply better trained pharmacists as drug clerks and would still leave the way open for those who desire to pursue their course for a B.S. and further if they choose.

E. R. SERLES, *Professor of Pharmacy,*  
South Dakota State College.

\* \* \* \* \*

I sincerely hope that you will see that an article gets into the journals as soon as possible stating the attitude of all university men against a definite requirement of one year or one minute practical drug store experience that is compulsory over

and above a four years' course in college. If they wish to require one year of practical drug store experience in addition to the two or three year course, well and good, but one thing that I am interested in is the fact that in Mr. Walton's recommendations, as I interpret them, hospital experience is not given as much credit as retail drug store experience. We have found in our hospitals here in the work that we have been doing in the past year, that the pharmacist receives more pharmaceutical training and more dispensing experience in one of our free dispensaries in one afternoon than the average pharmacist receives in a drug store in a month and some of them in a year. When a free dispensary keeps three or four pharmacists just as busy as they can be for four hours at a stretch, with everything compounded in advance, so that all they have to do is fill prescriptions, mix and compound prescriptions, and not manufacture new substances, those men are really getting some pharmaceutical experience.

EDWARD SPEASE, *Dean,*

Western Reserve University, Cleveland.

\* \* \* \* \*

Concerning the subject of drug store prescription experience *versus* that offered in a standard college of pharmacy, I believe there can be no question but that the latter offers the better training. I have had an opportunity to see the subject from both angles. I have worked in the prescription department of a first-class prescription store in a large city and have given prescription work in college, and there isn't the slightest doubt in my mind but that the college work is better in: (a) the range of prescription practice, (b) the thoroughness of supervision and instruction, and (c) the neatness and accuracy with which the work is required to be done.

HOMER C. WASHBURN, *Dean,*

College of Pharmacy,

University of Colorado, Boulder.

---

#### DEATH OF PROF. A. W. LINTON, SECRETARY SECTION ON HISTORICAL PHARMACY, A. PH. A.

We are in receipt of a letter from Dean C. W. Johnson, of the University of Washington School of Pharmacy, in which he notifies us of the death of Prof. A. W. Linton on January 26, 1922, of typhoid fever. The deceased was Secretary of the Section on Historical Pharmacy A. Ph. A. A biographical sketch will appear in the March number of the JOURNAL.

SUMMARY OF STUDENTS ENROLLED IN CONFERENCE

BY WILLIAM

	Ala.	Ariz.	Ark.	Calif.	Col.	Conn.	Del.	D.C.	Fla.	Ga.	Idaho	Ill.	Ind.	Ia.	Kan.	Ky.	La.	Mc.	Md.	Mass.	Mich.	Minn.	Miss.	
1 Ala. Polytech.	55																							
2 U. of Calif.	1	1		100							3										1			
3 U. of So. Calif.		7		94	1						2	1			2						1			
4 Geo. Washington U.							7												1					
5 Univ. of Ill.	1	1	1									192	3	4			1							1
6 Univ. of Notre Dame					1							4	6	1	1						1	2	1	
7 Purdue Univ.												7	63	1										
8 Highland Park		1	2		1						1	6		44										5
9 Univ. of Iowa										1	1		1	65										
10 Univ. of Kan.															76									
11 Louisville C. P.												3				76								
12 Tulane Univ.	2		1													27								7
13 Univ. of Maryland	1					1	1	1												56				1
14 Massachusetts C. P.						13					1	1						18		247				
15 Univ. of Mich.					1		1				10	3	1								71			
16 Univ. of Minn.											1											99		
17 Univ. of Miss.	1																1							52
18 St. Louis C. P.	1	1	12								31		1	3										1
19 Univ. of Nebraska					1							1		2										
20 Creighton Univ.					3									10	1									3
21 Univ. of Mont.																								
22 Brooklyn C. P.					1								1											
23 Buffalo C. P.																								
24 N. Y. C. P. (Columbia Univ.)						21									7			4	1					1
25 Fordham Univ.	1					2															1			
26 Union Univ. (Albany C. P.)																								
27 Univ. of N. C.																	1							
28 Western Reserve Univ.																								
29 Ohio State Univ.								1	1								1							
30 Univ. of Okla.	1		3																					
31 North Pacific Coll.					1						1													
32 Oregon Agri. Coll.					5						10		1											
33 Univ. of Pittsburgh								2	1															3
34 Phila. C. P. and Science	1		1			1	1	1	1	2			1		1					4				
35 S. C. Medical Coll.																								
36 So. Dak. State Coll.												1												7
37 Univ. of Tenn.			12									1					1							3
38 Baylor University																								
39 Medical Coll. of Va.																								
40 State Coll. of Washington				1							8													
41 Univ. of Washington											10													
42 Univ. of West Virginia																								
43 Univ. of Wisconsin												7	2											2
44 Meharry Coll. of P.	4		7						3	6		2		1		2	7				1			3
TOTAL	69	11	39	201	7	40	2	11	6	11	38	266	84	130	84	79	39	22	62	249	76	121	68	

\* Presented before Joint Session Section on Education and Legislation A. Ph. A., American New Orleans meeting, 1921. For action on this report see p. 988, December JOURNAL A. Ph. A.

SCHOOLS OF PHARMACY IN 1920-1.\*

B. DAY.

Mo.	Mont.	Neb.	Nev.	N. H.	N. J.	N. M.	N. Y.	N. C.	N. Dak.	Ohio.	Okla.	Ore.	Pa.	R. I.	S. C.	S. Dak.	Tenn.	Tex.	Utah	Vt.	Va.	Wash.	W. Va.	Wis.	Wyo.	Insular Possessions & Foreign	Total		
1																										59	1		
	1											1	1													9	120	2	
		1											2													3	122	3	
			1	1																							11	4	
							4																			1	213	5	
							1																			2	24	6	
																											72	7	
																											80	8	
2		5														6										1	80	8	
1		1														1	1									1	73	9	
4																											1	83	10
1																	5										1	95	11
																		3									1	41	12
							1	1					1														8	86	13
				24			3	1						3			2										8	328	14
3						3	2			14				4													119	15	
																											1	112	16
																											1	112	16
82																											1	54	17
																											134	18	
		72																									1	76	19
	1	46				1										5											1	72	20
	29																										1	30	21
						1	414																				1	417	22
							150							4													1	154	23
1						61	453			1			3					1			1					6	554	24	
						2	105						2								2						115	25	
						2	138														2						142	26	
							65									2											1	68	27
										121																	1	122	28
							1			141																	2	147	29
										154								1									1	159	30
												22						2									1	34	31
	2					1						163											7			3	199	32	
										16			256									1		6	1		286	33	
4				1	42		6	2	2	11			460				1	2		1	3		2	2		7	560	34	
							1									68											1	69	35
																39											1	47	36
																	27	1									1	48	37
																		63									1	66	38
								15							3		3					89		6		1	117	39	
	2										1	1											66				1	79	40
	3											5											139				1	158	41
										1			2										30				1	33	42
																	1	1									1	96	43
2								3			8		1	10		8	15							2			1	85	44
103	40	124	2	26	112	2	1278	88	4	312	173	193	738	3	86	59	47	90	5	12	104	229	58	92	5	59	5759		

Conference of Pharmaceutical Faculties and National Association of Boards of Pharmacy,