

mural research expenditures" be printed in the record at the conclusion of your testimony.¹

They also submitted to us expenditures by NIH in extramural research grant obligations. This involved 639 grants from the period 1953 through 1967. These grants were not, I understand, exclusively to do research in prednisone and prednisolone, but in each of these 639 grants, research was done on prednisone and prednisolone, and that totaled \$14,384,144. I ask that this table entitled "NIH Extramural Research Grant Obligations" be printed at the conclusion of your testimony.²

You are aware that they are engaged in this kind of research?

Mr. CONZEN. In this general field, yes, as far as I know.

All supplies of prednisone and prednisolone were made free of charge to the Institute. In other words, there are no sales involved. This is part of our contribution to the research program.

Senator NELSON. Thank you. Maybe at this point I ought to ask if you can give an estimate of how much the Schering Corp. is spending in research on prednisone?

Mr. CONZEN. I can't give you a dollar figure, but I can give you some figures which may be of interest and help to you and your subcommittee. As far as Meticorten is concerned, there are 1,979 published clinical papers available to date.

Senator NELSON. Published what?

Mr. CONZEN. Clinical papers, attesting to the efficacy and therapeutic value of Meticorten in human medicine.

Senator NELSON. Are these clinical studies in the strictest sense of the word, or are they in the nature of testimonials?

Mr. CONZEN. They are strictly clinical work published in reputable medical journals and available. I could make available to you a bibliography, if you would be interested.

Senator NELSON. Were these in the United States?

Mr. CONZEN. These are all in which our product was involved, both here and abroad.

Senator NELSON. Do you know how many were in the United States?

Mr. CONZEN. I don't have that figure with me, but I could let you have it.

Senator NELSON. These are papers that have been written on clinical studies of prednisone.

Mr. CONZEN. On Meticorten, Schering's particular brand of prednisone.

Senator NELSON. Were these clinical tests done at the request of Schering Corp.?

Mr. CONZEN. Either sponsored by us or done spontaneously, in which cases, as a rule, we make these supplies available free of charge.

Senator NELSON. Were these done by independent clinical investigators?

Mr. CONZEN. Yes, sir; entirely.

Senator NELSON. Were any of these test double-blind tests measuring the clinical efficacy and therapeutic equivalency of Meticorten versus any other prednisone?

¹ See p. 656.

² See p. 656.