

trast to what was observed in Kilby and Draper. In this University program, a few prisoners were selected for good behavior and understanding of what was involved. They were housed in the same quarters where other non-prison volunteers were housed with no guards. None took advantage of the easy opportunity to escape and since discharge from the prison at least one former prisoner has revisited the Research Center to express his gratitude at being given this opportunity for moral rehabilitation.

This committee was confronted with a seeming conflict of interest when it viewed the dual role of Dr. Irl Long serving as both senior prison physician and as an officer of Southern Food and Drug Research. Even Dr. Long readily acknowledged that a potential conflict of interest could exist. This unconscionable situation, regardless of reason, should never have been permitted to come into existence. This situation places all persons concerned in an untenable position exemplified by the necessity for the investigation.

2. Equipment and Staff (Southern Food and Drug Research)

The laboratory of Southern Food and Drug Research occupies the second floor of a building at 306 Arthur Street in Montgomery, Alabama. Space seems adequate and work tables, casework, shelves, record storage areas and equipment seemed sufficient for the work done. Reagents appeared fresh, were well labeled, and stored in an orderly manner. Major equipment consisted of microscope, large centrifuge, freezer, refrigerator, flame photometer, water bath, spectrophotometer, P.H. meter, Coulter counter, and a dual channel auto-analyzer for doing several routine chemical procedures using several manifolds. Procedures determined with the autoanalyzer consisted of BUN, sugar, alkaline phosphatase, total bilirubin, total protein, and albumin. Several enzymes were being determined by manual methods. CBC's and urinalyses were done by routine methods including a Coulter counter for cell counts. The refrigerator contained Dade commercial control sera and some homemade pooled sera.

We examined a series of alkaline phosphatase and bilirubin values directly from the autoanalyzer chart paper and saw one set of standards and one control for about twenty unknown patient samples. The control was calculated from the chart and showed an error of about 40% on the alkaline phosphatase. This was pointed out to the laboratory director and he excused it on the basis that commercial controls were sometimes wrong and that they could depend more on their own values. (In our experience this is occasionally true but it requires repeating the tests with other controls.) His attitude to us was unacceptable and reflected poor technique. The technician operating the analyzer on the day of our inspection had limited knowledge of the instrument.

All personnel were certified by American Medical Technologist which has limited significance in our opinion, but most had received military training in laboratory schools. These military programs are frequently quite good, and the laboratory director seemed well informed. We conclude that the laboratory is adequately equipped, staffed by people with minimal, if not marginal, acceptable training and results are generally but not always accurate. It probably compares favorably with many small hospital laboratories in Alabama but lacks the better qualified personnel and more careful quality control seen in better run laboratories.

Some tests such as Pap smears and PBI's have been done by Dr. Robert Adams of the Montgomery Baptist Hospital for the past four years and Dr. Adams has given free consultation about laboratory procedures to Dr. Stough by personal contact and telephone on several occasions. Random samples of the other procedures have at other times been sent to Dr. Adams' laboratory for comparison of results. Our conclusion that Dr. Stough operates an acceptable but not always reliable laboratory was shared by Dr. Adams who has privately recommended to Dr. Stough better supervision of the laboratory and indeed of the entire testing program.

3. Drug House Relationships

Reputable drug firms are concerned with developing and producing effective, safe medications. Their record in carrying out this function is unassailable. In their search for new therapeutic agents they maintain an impressive laboratory operation with a competent, highly trained research staff. All newly isolated or synthesized entities to be evaluated for drug potential are carried through an exhaustive battery of tests in several species of animal subjects providing toxicity data and general pharmacological profiles to serve as a basis for prediction of human responsiveness to the same agent.