

ABROAD

NAME: Brown, Russell W(ilfrid) (Dr.)

ADDRESS: Box 496, Tuskegee Institute, Alabama

OCCUPATION: Teacher, Instructor, Division of Bacteriology

PLAN: "Investigation concerning the intermediate mechanism of the anaerobic butyric acid - butyl alcohol fermentation."

NOTES: Born Louisiana, 1905. Howard University, B.S., 1926; University of Chicago, 1927-30; Iowa State College, M.S., 1932, Ph.D., 1936.

PUBLICATIONS:

The propionic acid bacteria. II. Classification, *Journal of Bacteriology*, 26: No. 4, 393-417, 1933. (C.H. Werkman & R.W. Brown).

Physiology and classification of the butyric acid - butyl alcohol bacteria. (Thesis for the Ph.D. degree). Abstract published in *Iowa State College Journal of Science*, 1937.

Dissimilation of pyruvic acid by *Clostridium butylicum*. *Proceedings of the Society For Experimental Biology and Medicine* 36: 203-205, 1937. (Russell W. Brown, O.L. Osburn & C.H. Werkman).

REFERENCES:

DR. C.H. WERKMAN, Iowa State College, Ames: "Dr. Brown is a young man of outstanding personal qualities - ambitious, industrious, honest, and loyal to high principles. Dr. Brown possesses that altruistic interest in science which definitely characterizes the scientific attitude from the pseudo. His personal habits are above reproach. He has my personal recommendations.

"Scholastically, Dr. Brown is well above the average graduate student level; he compares favorably with former Guggenheim Fellows and I believe he would prove to be scientifically productive. The problem selected is intimately associated with the general problem of cellular metabolism which is receiving much attention, and much basic progress is being made. His problem is, simply stated, "How and why does a cell live in the absence of atmospheric oxygen-anaerobic metabolism?" The field of investigation is a good one; the work is basic. Prof. Kluver and myself are close friends, a fact which would insure excellent cooperation in continuing the work which Dr. Brown conducted in our laboratory. Dr. Brown has my personal recommendation and I shall support him to the fullest extent in his work should he be granted a Fellowship.

"I have known Dr. Brown for some seven years. He received his M.S. and then was brought back for the Ph.D. under my direction."

DR. R.E. BUCHANAN, Iowa State College, Ames: "I believe I can say with a good deal of confidence and with some emphasis, that there is no other Negro in the United States that has the background in training in the field of physiology of bacteria that is possessed by Dr. Brown. In the

Russell W. Brown (2)

development of higher education among Negroes in the South, we are looking for a good deal of leadership from Russell Brown."

DR. MAX LEVINE, Iowa State College: "...His background in the particular subject which he desires to investigate has been thorough. In the proper environment, such as at the Technische Hoogeschool at Delft, Holland, he should make satisfactory progress towards the solution of the problem of the mechanism of bacterial metabolism involved. The problem constitutes one of the important links in the study of cell metabolism."

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DR. HANS ZIESSER, Harvard University Medical School Re: GROUP BACTERIOLOGY

"I have carefully gone over the papers you sent, and have consulted some of my colleagues. I beg to submit to you the following opinions:

DR. RUSSELL W. BROWN:

"The training of this man seems to be sound and based on fundamental chemical research experience. The recommendation from Dr. Buchanan is especially worthy of consideration, I think, since Dr. Buchanan has contributed in a very important manner to studies of bacteriological chemistry in this country. Moreover, the programme which Dr. Brown suggests for himself seems to me an excellent one and in the direction of future development along lines of bacteriological study which need emphasis and are often neglected. The fact that he is a negro perhaps prejudices me in his favour, since I feel that talented individuals of that race, coming into the profession with plans of intelligent and important effort, should be encouraged. The choice of a technical high school in Holland for the pursuit of this work is also a sign of a desire for the highest type of scientific control.

"Summarizing, I should be inclined to give Dr. Brown his chance.