THE UNIVERSITY OF TEXAS AT AUSTIN

AUSTIN, TEXAS 78712

Department of Physics

June 27, 1979

until Aug. 20,
High Island
South Bristol
Maine 04568
(207)644-8138

Dictated by Prof. Wheeler
but typed and signed in
his absence.

Fellowship Committee
NSC Division of Fellowships
Section on International Fellowships
    from Poland to United States
National Science Foundation
Washington, D.C.

Re: Application of Dr. Garret Sobczyk,
      University of Wrocław, Poland

Dear Colleagues:

I understand that Dr. Garret Sobczyk is applying for an
NSF International Fellowship to come to the United States for
the academic year 1979-80. I am writing first of all to say
that we at the University of Texas would be very happy to give
him a desk and perquisites and other facilities if he is so
fortunate as to win this award. Second I should like to say
that I have studied his two papers, "Spacetime Algebra Approach
to Curvature" and "Plebanski Classification of the Tensor of
Matter". I am impressed with the soundness and originality
of this work. It manages to treat by a new and unified tech-
nique features of the stress energy tensor of matter which in
the past have belonged in different "boxes" and been treated
by different methods.

We have an active program going on at the University of
Texas which is as strong as any in the United States, deveoted
to the study of gravitational waves, relativistic astrophysics
and the frontiers between gravitational physics and particle
physics. There have been several groups in Poland active in
some of these fields; but if we have the possibility of only
one person to come here with an NSF Fellowship from Poland I
do not know whom we could name who would be more outstanding
from the point of view of favorable interactions than Dr.
Sobczyk. I will appreciate it if you will put this letter
with the application of Dr. Sobczyk. If there is any diffi-

NSC Division of Fellowships   Re: Dr. Garret Sobczyk
Section of International Fellowships
   from Poland to USA
NSF
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culty on this score please let me know so I can take some
other step to forward his application. Many thanks.

                Sincerely yours,

                John Archibald Wheeler
                Ashbel Smith Professor of Physics
                and Director, Center for
                Theoretical Physics

JAW:rb

UNIWERSYTET WROCŁAWSKI
YTUT FIZYKI TEORETYCZNEJ
Wrocław, ul. Cybulskiego 36, tel. 2266-71, 2223-63

Wrocław, dnia ___ **November** ___ 197 8. r

Dr. Charles Zalar
National Science Foundation
Division of International Programs
Washington D.C. 20550

Dear Dr. Zalar:

Dr. G. Sobczyk has asked me to send to you an evaluation of his work here at our Institute. I am in a position to do so because I have closely followed the progress of his work throughout the course of this last year.

Dr. Sobczyk has generated a considerable amount of interest in our Institute in the application of Clifford algebra to problems of physics, and it was for this reason that he was invited to our institute. It is my opinion that his work "Spacetime Algebra Approach to Curvature," (Preprint No 444 - Wrocław), establishes beyond doubt the conceptual

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Presently, I myself am writing a paper with Ablamowicz, and Rzewuski entitled "Clifford Algebra Approach to Twistors," and am collaborating with Dr. Sobczyk on another closely related work.

Sincerely yours,

Zbigniew Oziewicz

Dr. Zbigniew Oziewicz

x)   Dr. Sobczyk and Professor Hestenes (Arizona State University) have
    written a book entitled, "GEOMETRIC CALCULUS: A Unified Language for
    Mathematics and Physics."

November 2, 1979

Dr. Garret E. Sobczyk
14, Masons Lawn
Gnosall, Staffordshire
England

Dear Dr. Sobczyk:

This is in reply to your letter of October 4 regarding application for an NSF Mathematical Sciences Postdoctoral Research Fellowship for the 1980-81 academic year.

First let me say that it was indeed the case that your application of last March 21 was too late to be considered for one of last year's Fellowships. Apparently you did not have at hand one of last year's announcement of the competition, for it quite clearly stated that the deadline for the receipt of applications was February 8, 1979. What is more important, however, is that one of the requirements for eligibility to the competition is that the doctorate should not have been received more than four years prior to the closing date for receipt of applications. Since your curriculum vitae states that you received the Ph.D. in September 1971, you are not eligible to compete in the program.

I am sorry that you were not informed of this fact last March when you submitted your papers, although presumably the only effect of pointing out your ineligibility at that time would have been to dash your hopes a few months sooner.

Sincerely yours,

William H. Pell
Program Director
Special Projects