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COUNTRY
USSR 25X1A2g

REPORT NO. [REDACTED]

SUBJECT
Evaluation of Two Scientific Papers on Oceanography.

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1. With regard to the 1st Soviet paper, "The Problem of Turbulence in a Wave", we find that in the first paragraph of the paper, the statement of the authors that the magnitude of the eddy viscosity co-efficient arising concomitantly with wind induced wave motion has been thought considerably smaller and that it has not been treated adequately in the literature is not correct. Here in the US, eddy viscosity with wave motions has been considered important for years.
 2. In answer to other questions, I do not consider this paper particularly valuable either with respect to solving the problem, or compared with work being done in the US.
 3. This paper does not contain any information which is scientifically new. However, the technique of studying turbulence by polarized light might be worth further investigation.
 4. The paper appears to be original.
 5. The conclusions do not follow readily from the discussion, and the references given in the paper would have to be studied before this paper could be thoroughly understood.
 6. It would appear from this paper that the general status of Soviet wave research is not so well advanced as in other countries.
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7. In the second Soviet paper, "Determination of the Energy Resultant of the Wave Regime of a Sea Shore", I would say that it shows no particular improvement over work being done in US or Western Europe. The idea of introducing energy equivalents is certainly more useful and more accurate than the older methods which the Soviet author considers. However, the difficulty is that none of these formulas is correct, because one really has to work with the wave spectra.
 8. The paper does not contain anything scientifically new or significant.
 9. The conclusions are acceptable and follow readily from the discussion.
 10. The paper appears to be original.
 11. From this paper one would gather that the general concepts of Soviet wave research is about equal to those being employed in the US and in W Europe.

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Oceanography

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