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THE STATESMAN PUBLISHING COMPANY
$\begin{gathered}\text { atered at the postorfice at saliem } \\ \text { Published every morning. Buastr }\end{gathered}$
Astronomy and "Dialectic
Materialism
Having duly brought biologists to book, forc-
ing them to accept the gospel according to Lysenko, soviet commissars of science are now go-
ing after the astronomers. One would think that
astronomy was a science quite immune from capitalist manipulation and free of bourgeois
decadance; but it seems not. According to Russian astronomers the study of the stars as done
by western scientists is guilty of "formalism"
so they have adopted resolutions against "wesWe wonder how Dr. Harlow Shapley, dis-
tinguished professor of astronomy at Harvard university, famed also as a communist sympa-
thizer, will accept this condemnation of the sci-
ence of which he is an eminent spokesman. Dr.
Jole Julian Huxley, another pro-red, gagged over the
Lysenko version of genetics. But what will
Shapley do?
The error of western astronomers, according
to their Russian contemporaries, is that they use a theory in their search for facts. For example
physicists, mathematicians and astronomers have been baffled over the antics of the univarse.
Once they thought the universe was in process of "running down" and freezing. But they discovered facts which pointed in the opposite di-
rection. So some have proposed the theory of the exploding or expanding universe, and scientists
sre making speculations and computations on that theory.
But, say the resolutions of the Russian as-
tronomers:

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cosmology" (Einstein's theory of relativitity),
but go on to assert that "in capitalist countries
cosmogony is living through a deep crisis" which
will be news to Dr
. Shapley and others. BeratIng the "formalism" of western science the sav-
ants at their Leningrad meeting declared that
soviet cosmogony must develop fertilely on the
basis basis of dialectic materialism,"- which simply
means to make astronomy, and if necessary the
universe, over in the terms of Karl Marx.
All of this will sound like gibberish to the man All of this will sound like gibberish to the man
In the street, as in truth it is, communist jab-
berwocky used to discipline their scientists, like
their artists, writers and musicians. It will not disturb western scientists however
who have shown a marked fidelity to truth in
their research. They have thrown oft the shackand probed by every tool at their cominand, in-
cluding logic and imagination to discover the
secrets of the universe. Theories are contrived, studied, tested, perhaps rejected.
For example the mystery of the origin of the
eolar system is still being attacked. And one of
the scientists of an old theory of its origin is Otto Schmidt, a
Russian mathematician and astronomer. He advances the idea that planets were formed when
a star moved through a dust cloud in space.
Western astronomers are reviewing his reasonIng. but his Russian colleagues at Leningrad,
who discussed Schmidt's theory criticized the in-
ductive reasoning which he employed in devel oping it and said more work should be done on It is unfortunate for Russia and for the world
that scientists there, who might otherwise have

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If there could be an interchange of ideas and association of scientists free of restraint some
community of thought and interest might develop between east and west. That apparently
is what the Russians fear.


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