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00:00:00,000 --> 00:00:07,560

In Ohio's capital, astronomer Stuart Kingsley is conducting an independent search for visual

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00:00:07,560 --> 00:00:08,560

signs of air.

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00:00:08,560 --> 00:00:28,580

In the

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00:00:29,580 --> 00:00:35,660

extraterrestrial intelligence by updating an idea discarded in the 1960s.

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00:00:35,660 --> 00:00:36,660

Laser communication.

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00:00:36,660 --> 00:00:41,500

I'm looking for a regular pulsation in the optical spectrum.

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00:00:41,500 --> 00:00:46,740

Basically a bleep bleep bleep, rather like an interstellar heartbeat.

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00:00:46,740 --> 00:00:52,860

Traditionally the search for extraterrestrial intelligence or ETI uses radio telescopes,

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00:00:52,860 --> 00:00:55,020

programmed to pick up anomalous sounds.

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00:00:55,020 --> 00:01:00,180

But Kingsley believes that our first two-way communication without her space will be visual.

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00:01:00,180 --> 00:01:01,980

Lasers are more for point-to-point targeting.

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00:01:01,980 --> 00:01:05,620

It gives you a very narrow beam even over interstellar distances.

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00:01:05,620 --> 00:01:12,660

So that's actually why I think the preferred technology for ETIs to communicate with other

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00:01:12,660 --> 00:01:14,900

stars is lasers.

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00:01:14,900 --> 00:01:18,620

And Kingsley is confident his search will not be in vain.

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00:01:18,620 --> 00:01:20,140

We are going to discover something.

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00:01:20,140 --> 00:01:24,380

Well that's going to be a major news story because that means we are not alone.