

House Resolution 1548

By: Representatives Lott of the 131st, Newton of the 127th, Leverett of the 123rd, and Richardson of the 125th

A RESOLUTION

- 1 Recognizing and commending Stephen Cotty; and for other purposes.

- 2 WHEREAS, Stephen Cotty was born in Matinez, Georgia, on September 17, 1994, and
3 graduated from Evans High School in 2012; and

- 4 WHEREAS, he graduated cum laude with a bachelor's degree in chemical engineering from
5 Clemson University in 2017; and

- 6 WHEREAS, during matriculation at Clemson University, he was accepted to and a graduate
7 of Calhoun Honors College; and

- 8 WHEREAS, he enrolled at the University of Illinois Urbana-Champaign to pursue a
9 doctorate in chemical engineering; and

- 10 WHEREAS, he earned his Ph.D. in 2023 for ground-breaking research and the discovery of
11 redox-mediated electrochemical separation of precious metals; and

- 12 WHEREAS, this process allows for rapid and efficient purification of critical precious metals
13 used in numerous industries, including electric vehicle manufacturing; and

14 WHEREAS, adoption of this technology simplifies extraction processes in the most
15 sustainable manner possible, thus significantly reducing carbon emissions; and

16 WHEREAS, electric vehicle manufacturers require an unprecedented and continuous amount
17 of critical metals for their automobiles and components; and

18 WHEREAS, Stephen Cotty's discovery will greatly benefit Georgia's electric vehicle industry
19 by allowing rapid and economical recycling and reclamation of critical metals thus reducing
20 dependence on foreign sources while establishing a domestic supply chain; and

21 WHEREAS, redox-mediated electrochemical extraction represents a fundamental evolution
22 in the refinement and purification of metal recovery enabling more efficient, profitable, and
23 sustainable manufacturing for Georgia companies and businesses; and

24 WHEREAS, it is abundantly fitting and proper that the outstanding accomplishments of this
25 remarkable and distinguished Georgian be appropriately recognized.

26 NOW, THEREFORE, BE IT RESOLVED BY THE HOUSE OF REPRESENTATIVES that
27 the members of this body recognize and commend Stephen Cotty for his discovery of
28 redox-mediated electrochemical separation of precious metals.

29 BE IT FURTHER RESOLVED that the Clerk of the House of Representatives is authorized
30 and directed to make an appropriate copy of this resolution available for distribution to
31 Stephen Cotty.