

**AKADEMIA
SUPER
BOHATERÓW**



HENRYK ARCTOWSKI



$$+C = \frac{-2x^3 + 4x^2 - 1}{4x^4} + C;$$

$$3. \int \left(5\sqrt{x} - 3\sqrt[3]{x^3} - \frac{2}{\sqrt{x}} \right) dx = 5 \cdot \frac{1}{2} x^{\frac{1}{2}+1} - 3 \cdot \frac{1}{\frac{3}{2}+1} x^{\frac{3}{2}+1} - 2 \cdot \frac{1}{-\frac{1}{2}+1} x^{-\frac{1}{2}+1} + C = \frac{5}{2} x^{\frac{3}{2}} - \frac{3}{\frac{5}{2}} x^{\frac{5}{2}} - 4\sqrt{x} + C;$$

$$4. \int x^m \sqrt{x} dx = \int x^{\frac{m}{2}+1} dx = \frac{1}{\frac{m}{2}+2} x^{\frac{m}{2}+2} + C = \frac{m}{2m+4} x^{\frac{m}{2}+2} + C;$$

$$5. \int \frac{dx}{x^3} = \int x^{-3} = \frac{1}{-3+1} x^{-3+1} = -\frac{1}{2} x^{-2} + C = -\frac{1}{2x^2} + C;$$

$$6. \int 2x^3 \sqrt{x} dx = \int 2x^{\frac{7}{2}} dx = \frac{2}{\frac{7}{2}+1} x^{\frac{7}{2}+1} = \frac{2}{\frac{9}{2}} x^{\frac{9}{2}} = \frac{4}{9} x^{\frac{9}{2}} + C;$$

$$7. \int (6x^2 - 2x + 7) dx = 2x^3 - x^2 + 7x + C;$$

$$8. \int (x^2 dx + 2) dx = \frac{1}{3} x^3 + 2x + C;$$

$$9. \int (5\sqrt{x} - 3\sqrt[3]{x^3} - \frac{2}{\sqrt{x}}) dx = \frac{5}{2} x^{\frac{3}{2}} - \frac{3}{\frac{5}{2}} x^{\frac{5}{2}} - 4\sqrt{x} + C;$$

$$10. \int \frac{dx}{x^3} = -\frac{1}{2x^2} + C;$$

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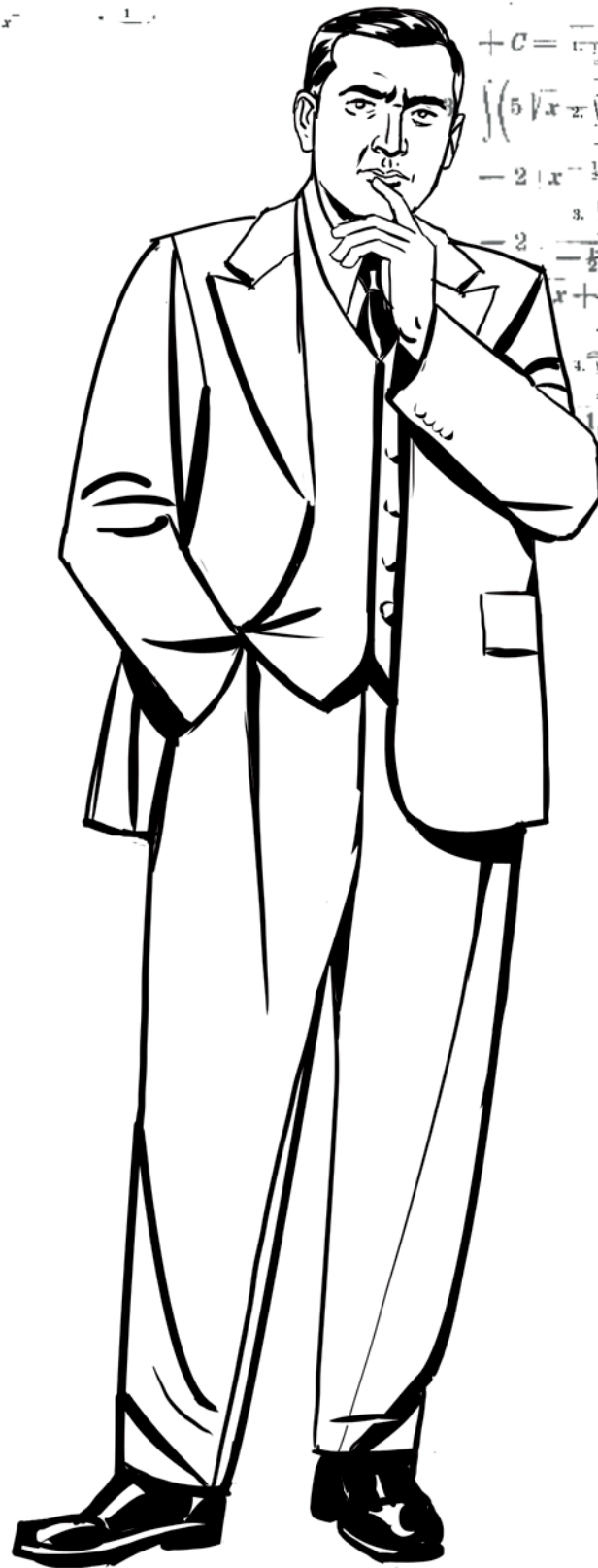
$$96. \int \frac{dx}{x^3} = -\frac{1}{2x^2} + C;$$

$$97. \int \frac{dx}{x^3} = -\frac{1}{2x^2} + C;$$

$$98. \int \frac{dx}{x^3} = -\frac{1}{2x^2} + C;$$

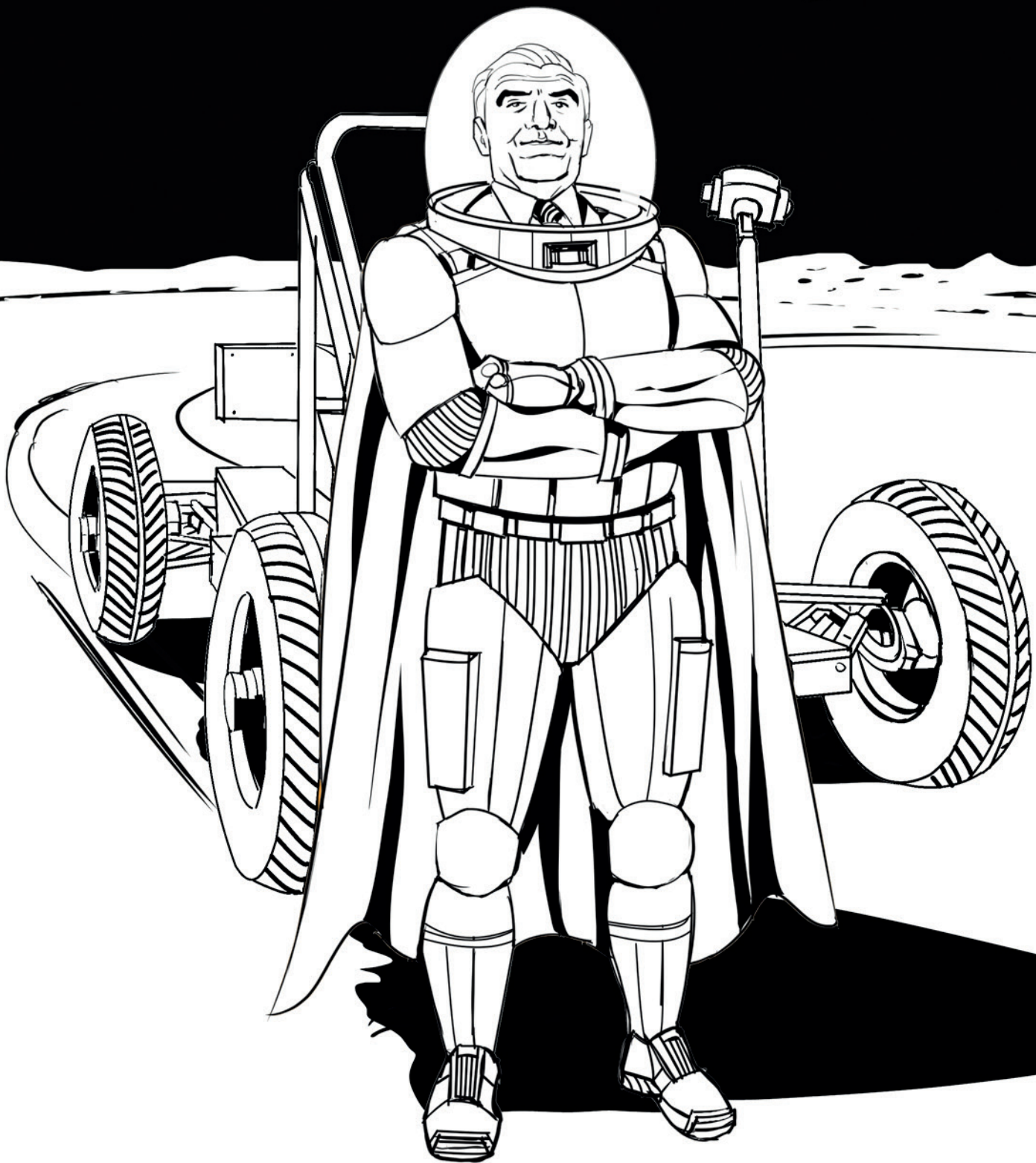
$$99. \int \frac{dx}{x^3} = -\frac{1}{2x^2} + C;$$

$$100. \int \frac{dx}{x^3} = -\frac{1}{2x^2} + C;$$



Stefan Banach





Mieczysław Bekker





MAGDALENA BENDZIŚLAWSKA



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MICHAŁ BOYM



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MARIA CZAPLICKA

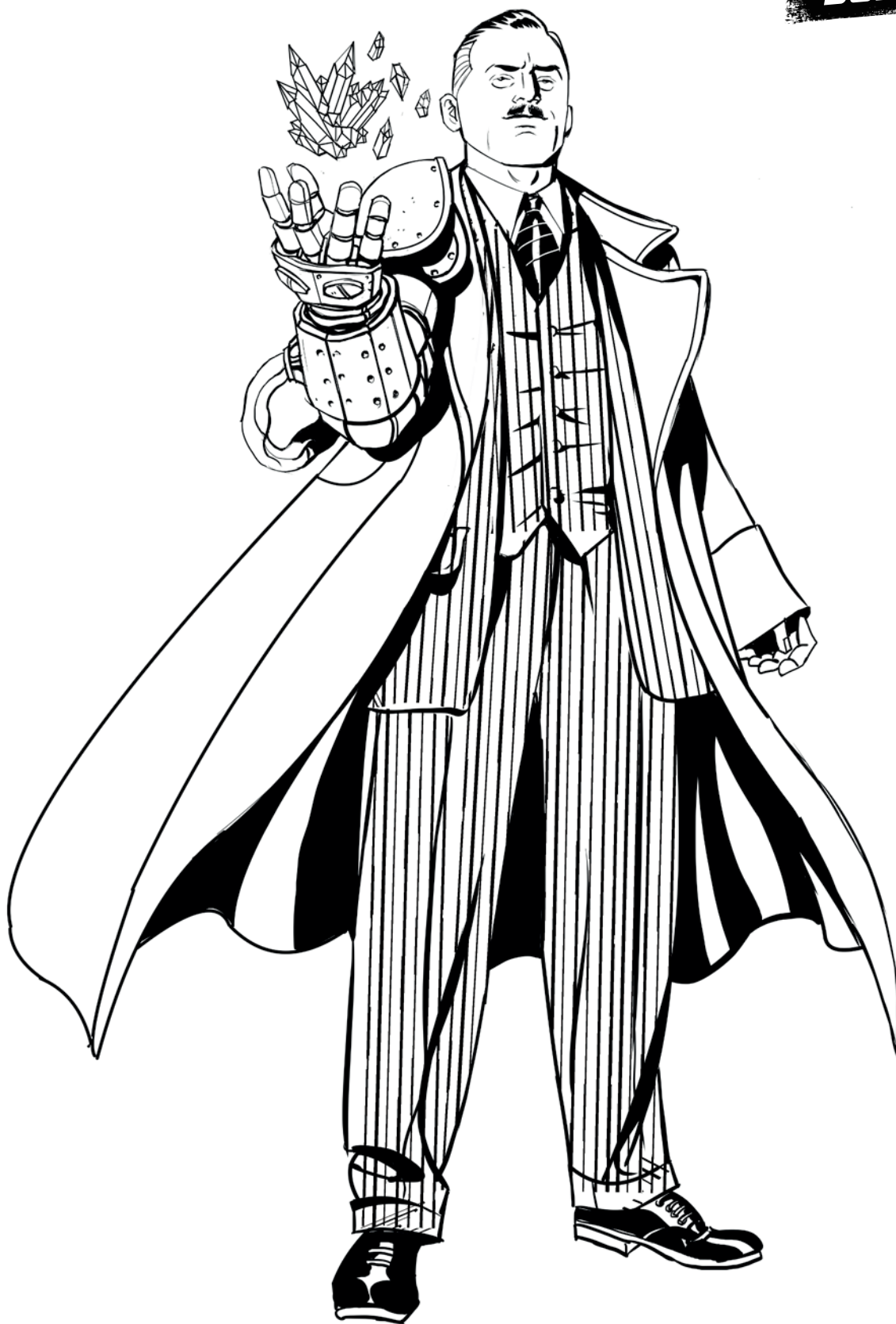


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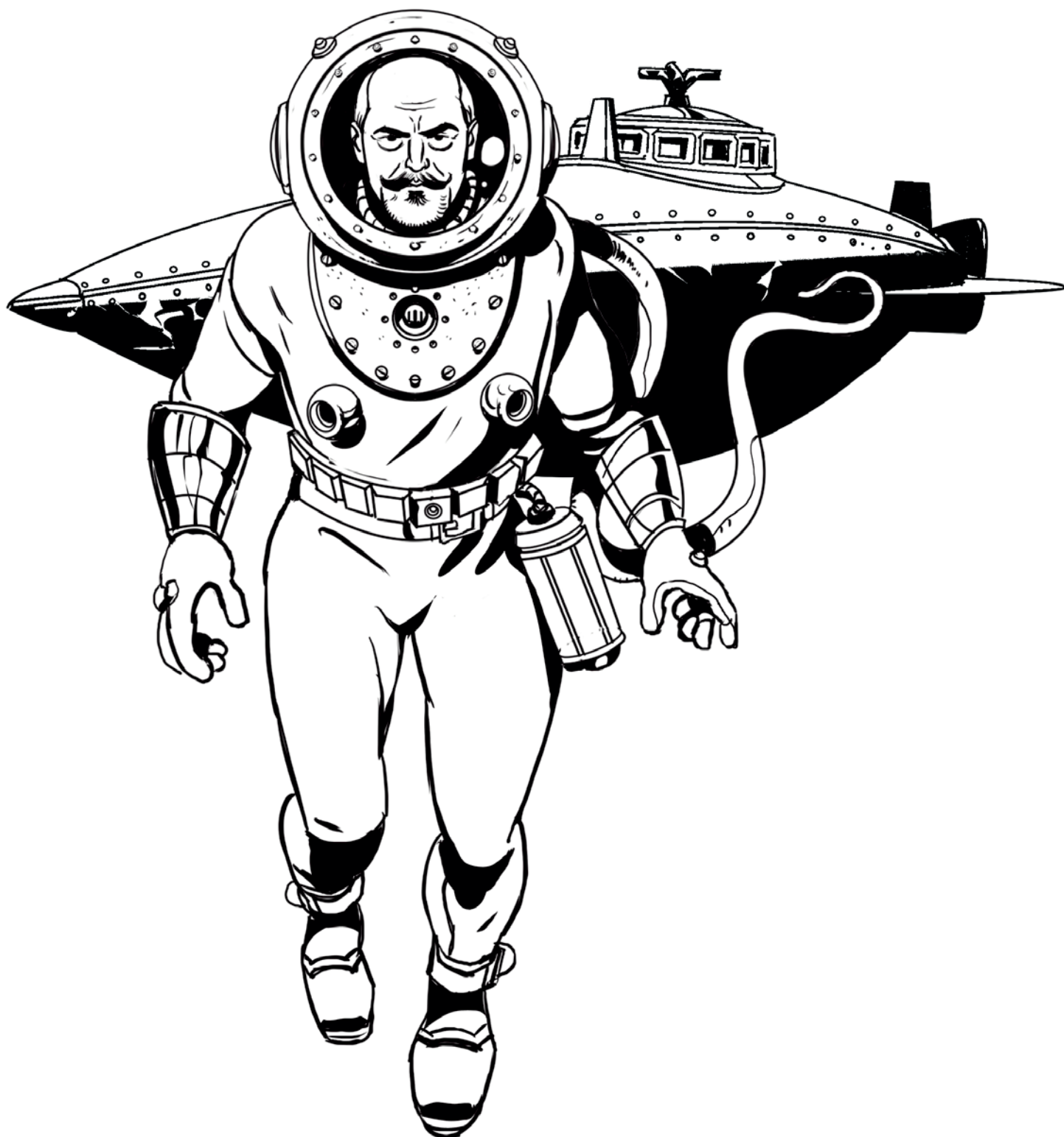
NAPOLEON CYBULSKI





Jan CZOCHRAJSKI





Stefan DRZEWIECKI



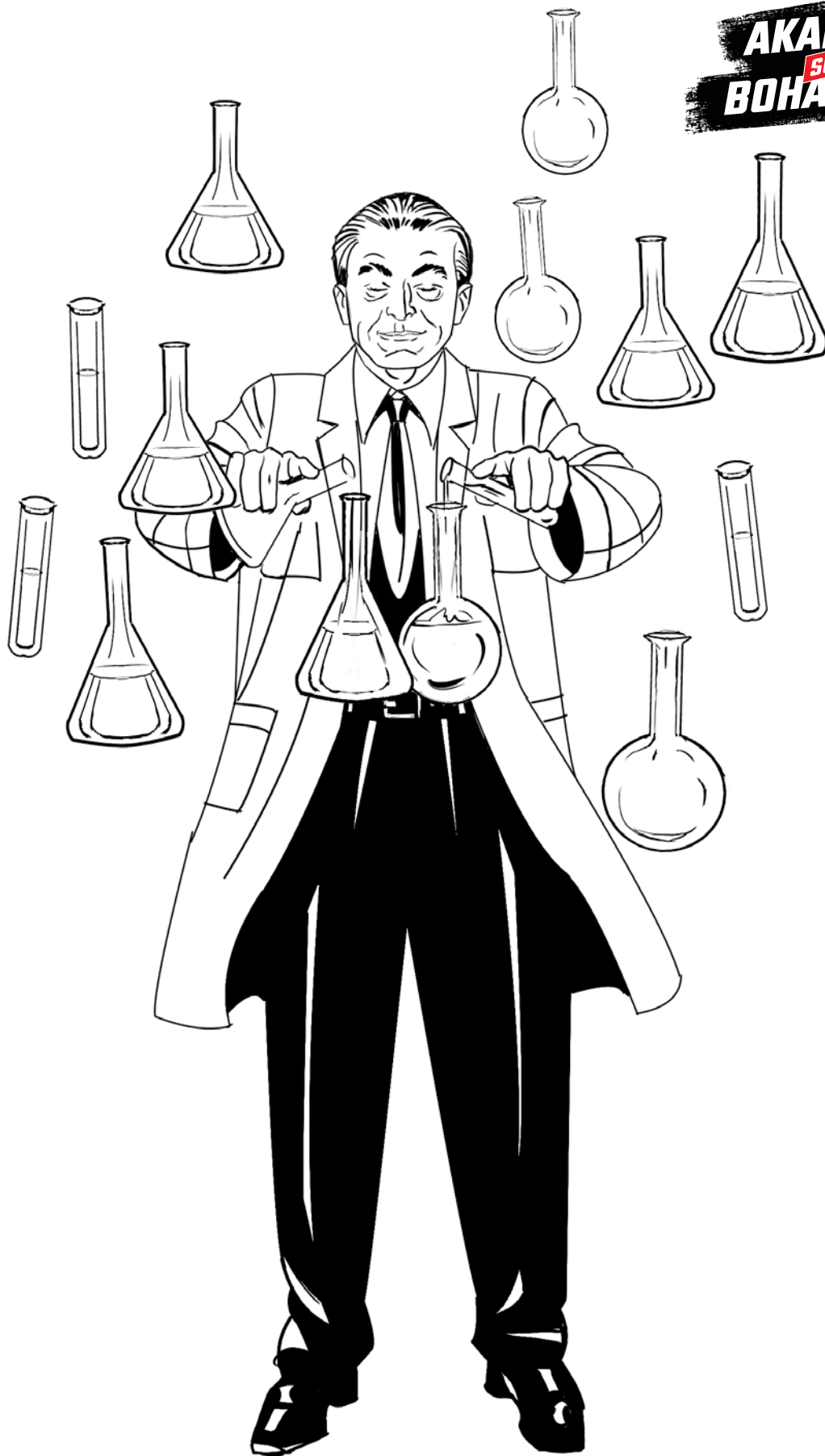
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Benedykt Dybowski



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Kazimierz Funk



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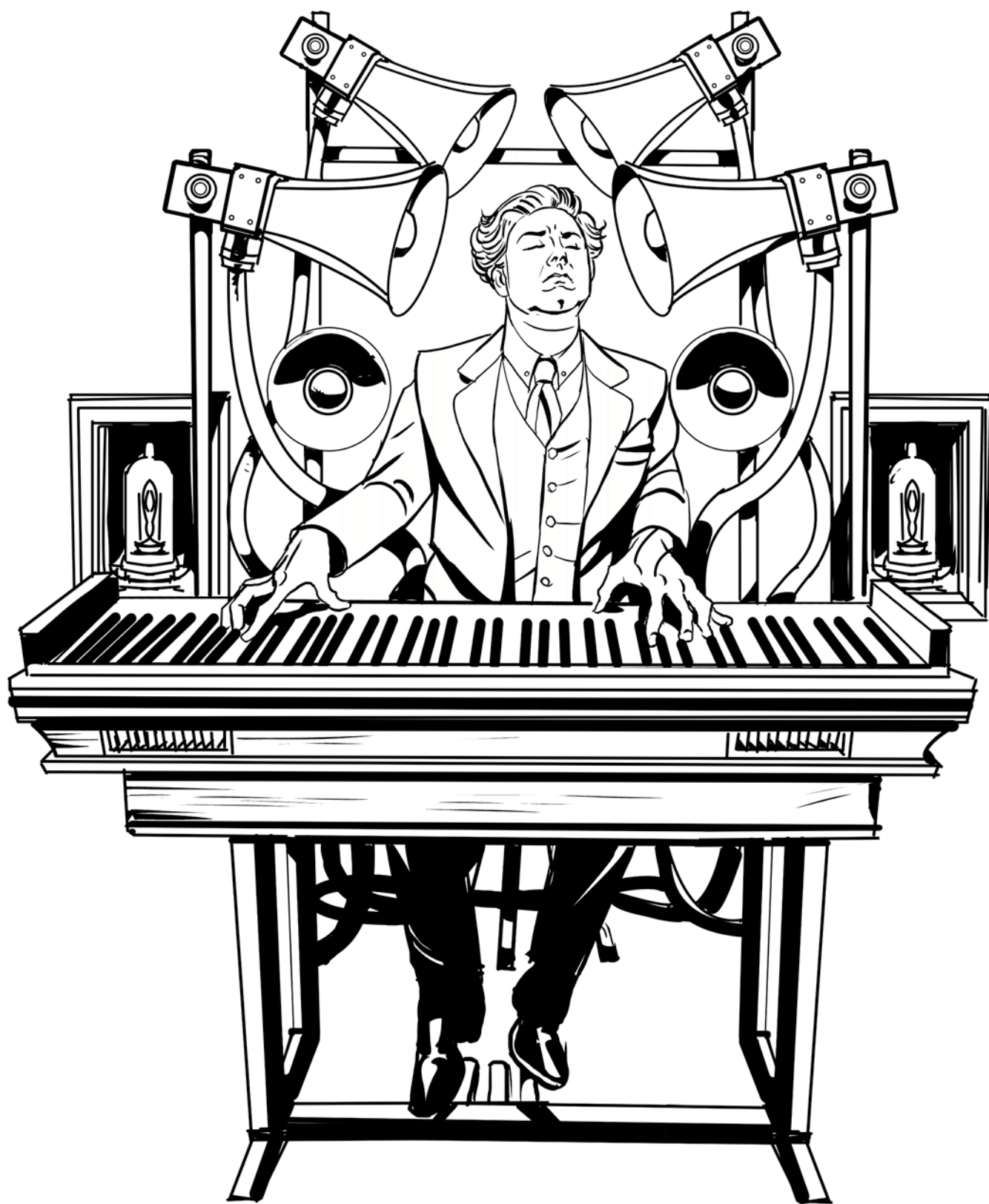
Jan Heweliusz



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Hanna HIRSZFELDOWA





Józef Hofmann





WILHELMINA Iwanowska



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Jacek Karpieński





Zofia Kielan-Jaworowska





Mikołaj Kopernik



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HILARY KOPROWSKI





Stanisław Lem





Ignacy Łukasiewicz



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ERNEST MALINOWSKI

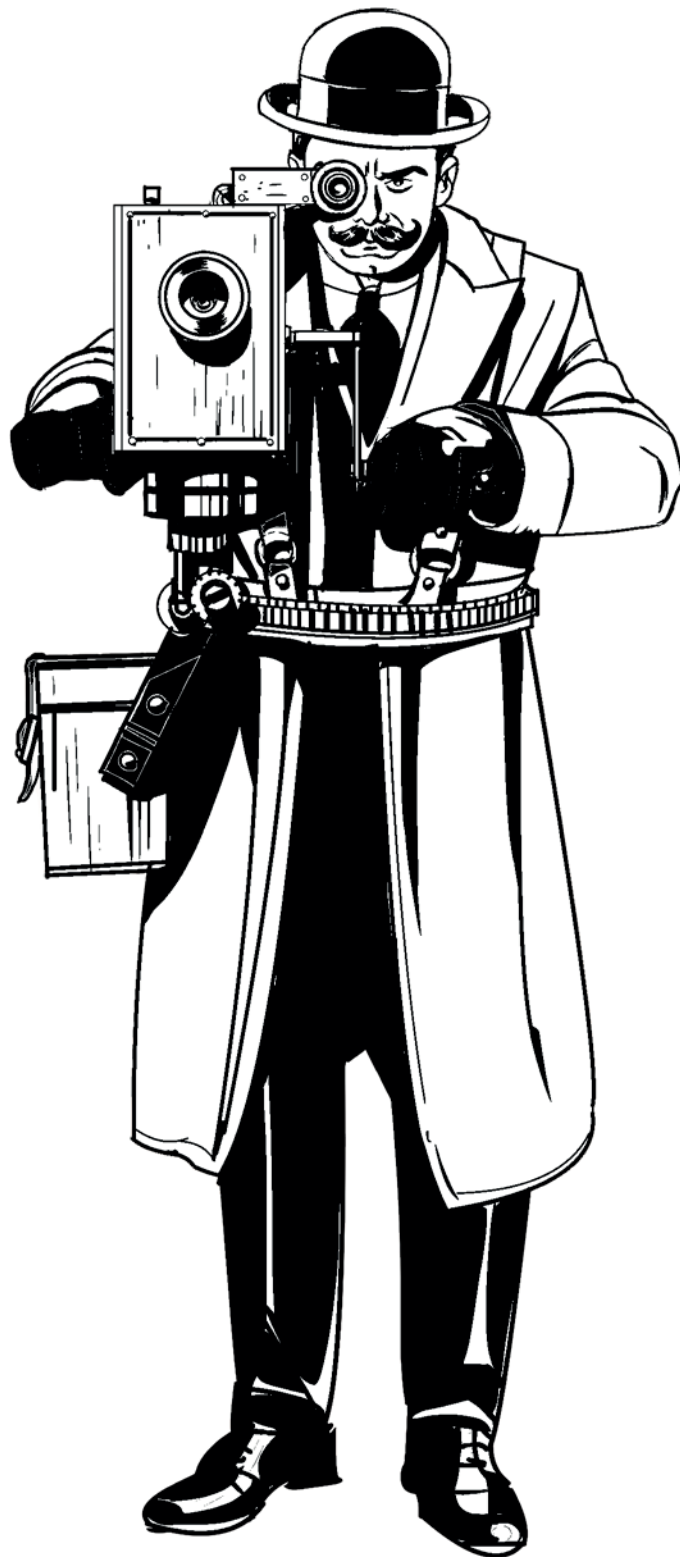


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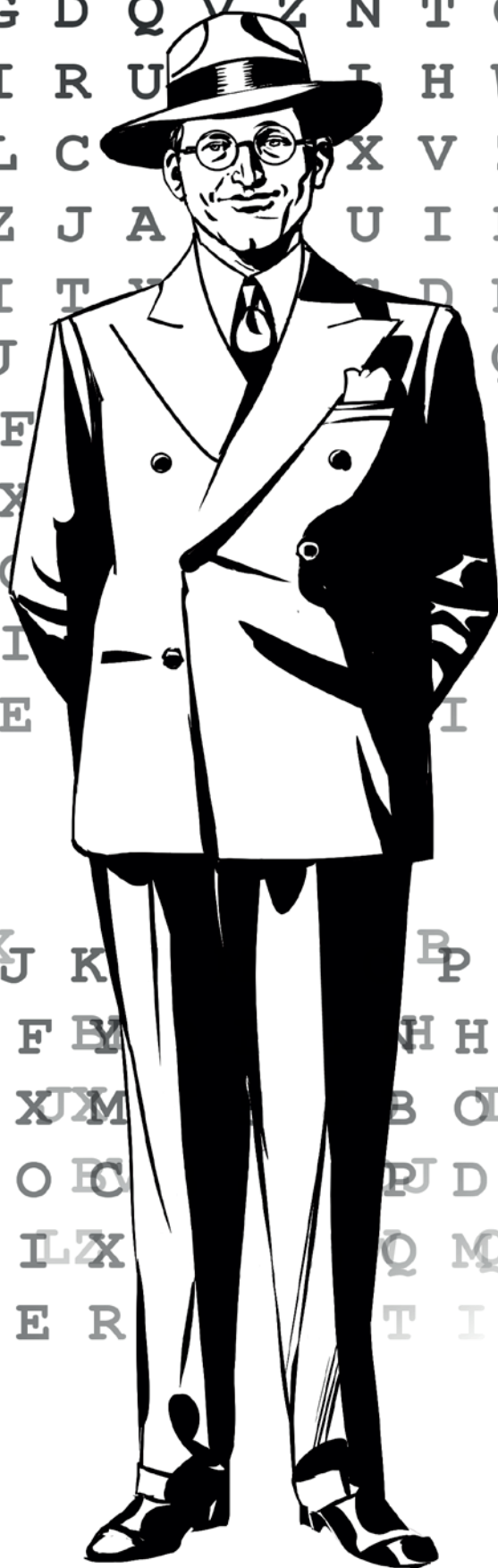
Ignacy Mościcki





Kazimierz Prószyński





Marian Rejewski

