Errata for *Philosophical Logic: A Contemporary Introduction*

p. 6 n. 3

F.B Fitch should be F.B. Fitch

p. 20 Figure 1.1 caption line 3

Hxy should be Cxy

p. 51 Exercise 2.3

In exercise 3,

$$\exists x(\exists y Azy \wedge \forall x((z{=}x \vee Azx) \supset \forall y(Axy \equiv ((z{=}y \vee Azy) \wedge y \neq x)))) \quad \text{(a)}$$

should be

$$\exists z(\exists y Azy \wedge \forall x((z{=}x \vee Azx) \supset \forall y(Axy \equiv ((z{=}y \vee Azy) \wedge y \neq x)))) \quad \text{(a)}$$

p. 54 Table 2.1 lines 4–5 from bottom

‘either there are some things that$_V$ are such that ’$\frown$Tr(ψ) $\frown$‘ or ’$\frown$ $\psi^{\dagger}$

should be

⌜either there are some things that$_V$ are such that ¬$\frown$Tr(ψ) $\frown$‘ or ’$\frown$ Tr($\psi^{\dagger}$)

p. 55 (2.4)

$$X \sim Y \equiv_{def} \exists R(\overbrace{\forall x(Xx \supset \exists y(Yy \wedge Rxy \wedge \forall z((Yz \wedge Rxz) \supset z{=}y)))}^{\text{each } X \text{ } R\text{s a unique } Y} \wedge \underbrace{\forall y(Yy \supset \exists x(Xx \wedge Rxy))}_{\text{each } Y \text{ is } R\text{d by an } X})$$

should be

$$X \sim Y \equiv_{def} \exists R(\overbrace{\forall x(Xx \supset \exists y(Yy \wedge Rxy \wedge \forall z((Yz \wedge Rxz) \supset z{=}y)))}^{\text{each } X \text{ } R\text{s a unique } Y} \wedge \underbrace{\forall y(Yy \supset \exists x(Xx \wedge Rxy \wedge \forall z((Xz \wedge Rzy) \supset z{=}x)))}_{\text{each } Y \text{ is } R\text{d by a unique } X})$$

p. 69, top of main text

(the *valuation* should be (the *valuation*).

p. 69, line 5 under Possible worlds

The “actual world” .@ should be The “actual world” @

p. 69 Fig. 3.1 caption

atomic formulas should be propositional constants

p. 112 beginning of second line of main text after figure

$\ulcorner p \to q \urcorner$ should be $\ulcorner p \to \neg q \urcorner$

p. 139 third line after example (22)

has that property so should be has that property, so

p. 147 tonk Elim rule

$$\frac{A \text{ tonk } B}{A} \text{ should be } \frac{A \text{ tonk } B}{B}$$

p. 172 last line before the quote from Parry

ψ follows from ϕ only if all of the propositional constants in ϕ are in ψ
should be
ϕ entails ψ only if all of the propositional constants in ψ are in ϕ

p. 178 De Morgan's Laws

Second $\neg(\phi \vee \psi) \iff \neg\phi \wedge \neg\psi$ should be $\neg(\phi \wedge \psi) \iff \neg\phi \vee \neg\psi$

p. 181 Exercise 7.3, 2

(3a) and (3b) should be (1b) and (2b) on p. 173

p. 195 Figure 8.1 Weak Kleene Tables

The table for '$\vee$' has two incorrect entries (upper right and lower left):

$\vee$	T	N	F
T	T	N	F
N	N	N	N
F	F	N	F

should be

$\vee$	T	N	F
T	T	N	T
N	N	N	N
F	T	N	F

p. 195 Figure 8.2 Strong Kleene Tables

The table for '$\vee$' has two incorrect entries (upper right and lower left):

$\vee$	T	N	F
T	T	T	F
N	T	N	N
F	F	N	F

should be

$\vee$	T	N	F
T	T	T	T
N	T	N	N
F	T	N	F

p. 196 end of section 8.2.2

designating T yields Γ_a, and designating T and N yields Γ_b

should be

designating T yields $\vDash_a$, and designating T and N yields $\vDash_b$.

p. 197 line 4 of main text

will have F antecedents and F consequents, and will therefore be F

should be

will have F antecedents and F consequents, and will therefore be T.

p. 210 second-to-last line

'$\lambda x(\phi x)$' should be '$\lambda x \phi x$'